INDEX TO VOLUME III

Abdomen, Compression device for stereoscopic exposures of the, William H. Stewart, III, 336.
Abdominal bullet injuries, Roentgen findings in fresh, Robert Lenk, Abstract, III, 543.
Viscera and stomach, displacement of, III, 279.
Abscess, Pulmonary, and its roentgen demonstration, P. M. Hickey, Report, III, 227.
Abscesses, apical, Successful treatment of, by ionization, Marcus Straussberg, Abstract, III, 384.
Gas, A characteristic symptom of subphrenic, Ladislaus Nyary, Abstract, III, 457.
Perinethritic, Gustav Doberauer, Abstract, III, 457.
Abstract department, Our, Editorial, III, 597.
Abstracts:
Abell, Irwin, Giant ureteral calculus; anomalous development of genito-urinary tract, III, 548.
Albers-Schönberg, A rare, unknown structural anomaly of the skeleton, III, 183.
A skeletal anomaly of atavistic interest, the supracondylar process, III, 182.
Albertario, F., Roentgen therapy of tuberculous peritonitis, III, 35.
Allman, Non-operative treatment of carcinoma, III, 57.
Amberg, Emil, X-Ray diagnosis of mastoiditis, III, 341.
Babesch, Aurel A., and Scherbanescu, Lucia, Deformities of the upper extremity, III, 181.
Baetjer, F. H., and Friedenwald, J., On the value of roentgen ray examination in the diagnosis of cancer of the stomach, III, 555.
Balli, R., and Capponi, F., The structure of the patella, III, 495.
Ballowitz, E., Bilateral symmetrical heptadactylism, III, 497.
Barclay, A. E., A new method of extracting bullets, III, 286.
Barret, G., Localization of a projectile free and mobile in the right ventricle, III, 545.
Basch, Seymour, Some remarks on the underlying principles and clinical value of radiology of the digestive tract, III, 410.
Bassler, A., Some X-ray thoughts of 1915, III, 510.
Bauch, Solomon, Syphilis of the lung, III, 508.
Berns, Wilhelm, Roentgen therapy in pulmonary tuberculosis, III, 503.
Bissell, J. B., Bone sarcoma treated by radium, III, 548.
Blinda, P. Cosima, Sudden death of a child under *x*-ray treatment, III, 46.
Blythell, W. J. S., Radiography of the chest in children, III, 288.
Boggs, Russell H., The treatment of tuberculous adenitis by roentgen rays, III, 408.
Bond, Geo. D., The treatment of deep-seated cancer by the roentgen method, III, 546.
Brophy, Truman W., Roentgenography and dental pathology, III, 506.
Brown, Report of a case of chronic suppuration of the antrum, III, 554.
Brown, Percy, The recognition of pleural disorders by *x*-rays, III, 52.
Caillé, A., Foreign body pneumonia, III, 340.
Abstracts—*Continued*
Caldwell, J. R., Extraction of foreign bodies, III, 48, 187.
Carlson, A. J., and Ginsburg, H., The tonus and contractions of the empty stomach of infants with congenital pyloric stenosis, pylorospasm and chronic vomiting, III, 237.
Case, James T., Fluoroscopy of the stomach, III, 505.
Roentgen studies after gastric and intestinal operations, III, 37.
The roentgen treatment of uterine carcinoma, III, 507.
The value of roentgen ray examination in the diagnosis of gastric ulcer, III, 185.
Thinning of the cranial bones in a case of extensive cirsoid neuroma, III, 544.
Christen, Th., Theory and technic of radiometry, III, 25.
Coheschi, A., Roentgen diagnosis of the bilocular stomach, III, 458.
Coolidge tube experiences, III, 344.
Cotton, Frederic J., Diagnosis of periosteal sarcoma with the *x*-ray, III, 548.
Cozzolino, O., Roentgen treatment of thymus hyperplasia in childhood, III, 57.
Cross, Charles, Golfer's foot, III, 507.
Cystoscopic findings in the roentgen treatment of collum carcinoma and their practical application, III, 34.
Da Silva, A., Experimental investigations of the biological effect of thorium *x*, especially on the blood, III, 235.
Dastre, Foreign body extraction, III, 383.
Davis, George G., Roentgen ray diagnosis of gas and pus infections complicating bullet and shell injuries, III, 410.
Delavan, D. Bryson, Radium in the treatment of laryngeal lesions, III, 551.
del Pont, Antonio Marco, Mixed bone tumor, III, 40.
de Quervain, F., Diverticulum formation in the stomach, III, 495.
Formation of gastric diverticula, especially functional, III, 240.
Dexter, R., Physical signs referable to the diaphragm and their importance in diagnosis, III, 240.
Doberauer, Gustav, Perinephritic abcesses, III, 457.
Döderlein, A., Radiotherapy of cancer, III, 31.
Döderlein, A., and Von Seuffert, Further experiences with mesothorium treatment of carcinoma, III, 58.
Dosimetric comparisons of the German Roentgen Society, Contributions and transactions of the special commission for, III, 38.
Dösseker, Roentgen rays in the treatment of acne, III, 56.
Edelberg, H., Roentgen rays and pregnancy, III, 35.
Egan, Ernest, The fate and effect of hot and cold beverages in the stomach, III, 339.
Eisen, E. J., Dental roentgenology, III, 287.
Els, Anomalies of the sacrolumbar region in the roentgenogram and their clinical sequelæ, III, 177.

Abstracts—*Continued*
Elsésser, Oscar, The effect of experimental partial stenosis of the pylorus on the motility of the empty stomach, III, 236.
Faulhaber, Diagnosis and treatment of chronic ulcer of the pylorus, III, 546.
Finkelnburg, Bone changes in neuritis, III, 56.
Finsterer, Hans, Therapy of inoperable gastric and intestinal carcinomata by incision and subsequent roentgen irradiation, III, 106.
Fischer, Heinrich, Motor processes of the pathological stomach, III, 182.
Fleiner, Wilhelm, Situs viscerum inversus abdominalis, displacement of stomach and dilatation of esophagus, III, 279.
Flemming, Radium and mesothorium in ophthalmology, III, 59.
Fowler, W. Frank, The vermiform appendix, III, 549.
Fraenkel, Manfred, Healing of serious fractures by means of irritative roentgen doses, III, 39.
Fragenheim, P., An intraosseal hygroma, III, 55.
Freeman, Rowland G., The value of the *x*-ray in intrathoracic lesions in children, III, 341.
Freud, Joseph, A case of hernia diaphragmatica dextra, III, 342.
Friedlander, Alfred, Sarcoma of the kidney treated by *x*-ray, III, 408.
Friedrich, W., and Krönig, B., The roentgentherapy of myomata in one séance, III, 106.
Fritsch, Roentgen therapy of tubercular lymphoma of the neck, III, 50.
Füth, H., and Ebeler, F., Roentgen and radium therapy of uterine carcinoma, III, 31.
Gaucher, Dangers of radiotherapy, III, 550.
Gauss, C. J., On the principles of radiotherapy of benign and malignant tumors, III, 33.
Goerl, L., On roentgen sterilization, III, 46.
Roentgensterilization, III, 31.
Gould, E. W., and Le Wald, L. T., Roentgenologic findings in chloroma, III, 509.
Graef, Wilhelm, On Schlatter's disease, III, 242.
Grier, G. W., The roentgen treatment of uterine fibromata, III, 512.
Gross, W., A method of fixation of the liver in hepatoptosis and the determination of the extent of gastroptosis, III, 178.
Gudzent, F., and Halberstaedter, L., Injuries to workers with radioactive substances, III, 112.
Gunsett, A., Acromegaly treated with roentgen rays, III, 39.
Hagedorn, Gunshot injuries in roentgenogram, III, 55.
Hamman, Louis, and Baetjer, F. H., Pulmonary physical signs and roentgen findings in healthy adults, III, 114.
Hartshorn, W. Morgan, The roentgen ray in the diagnosis of pulmonary conditions in children, III, 379.
Heineke, H., Theory of action of rays especially with reference to latency, III, 113.
Hernaman-Johnson, Francis, The uses and limitations of stereoscopic radiography in the diagnosis of injury to bone, III, 380.
Hessel, J. H., Roentgen examination of stenosis of the esophagus, III, 503.

Abstracts—*Continued.*
Hickey, P. M., Cardiac anatomy and pathology from a roentgen standpoint, III, 30.
The value of roentgen diagnosis in infections by gas bacillus, III, 240.
Hirsch, I. S., Roentgenographic control of the pneumothorax treatment of pulmonary tuberculosis, III, 598.
Summary of the roentgen diagnosis of cardiac lesions, III, 510.
Hirsch, Max, Roentgen rays and eugenics, III, 48.
Holbeck, Fractures of the head of the femur, III, 55.
Holland, C. Thurstan, Roentgenography of uric acid calculi, III, 48.
Holmes, G. W., Gastric roentgenoscopy, III, 504.
Holzknecht, G., Lilienfeld, L., and Fordes, Fr., Roentgenological tracing of fistulæ, III, 554.
Holzknecht and Weissenberg, Contribution to the technical measurement of roentgen rays, III, 500.
Hoxie, George H., Thymic disturbance in adults, III, 342.
Hubeny, M. J., Roentgen examination of the appendix, III, 285.
Hyman, A., The value of the roentgen ray in the diagnosis of vesical calculus, III, 597.
Iselin, Hans, Roentgen examination of the shoulder in two directions at right angles, III, 281.
Jaches, L., Calcified fibroma of the forearm, III, 511.
Jacobsohn, William, The causes of rickets, III, 183.
Jagueas, F., A case of diverticulum of the esophagus, III, 545.
Jaworski, W., Roentgenological and clinical gastric findings compared, III, 499.
Jordan, Alfred C., Fluorescent screen localization by the parallax method, III, 53.
Jost, Otto, Osteoplastic surgery of the extremities, III, 241.
Kast, L., Effect of fatigue upon gastro-intestinal motility, III, 339.
Keith, Arthur, The interpretation of certain *x*-ray appearances in intestinal stasis, III, 35.
Kelly, Howard A., Some radium achievements, III, 552.
Kienboeck, Robert, Dosage of roentgen rays, III, 47.
Hypersensitiveness of the hair papillæ for roentgen rays in psoriasis, III, 32.
Infantile osteopsathyrosis, III, 238.
Kirchberger, The legal aspect of roentgen and radium injuries, III, 45.
Klein, G., Roentgenograms of gunshot wounds, III, 55.
Knox, Robert, and Caulfield, A. St. George, A new therapeutic *x*-ray localizer, III, 30.
Koerner, O., Traumatic hematoma of the mediastinum, III, 495.
Krause, Paul, On the technic of searching for bullets, and a roentgenological measuring method without apparatus, III, 492.
Kupferberg, H., Roentgen, radium and mesothorium rays in gynecology, III, 58.
Kuepferle and Bacmeister, Roentgenological experiments in the treatment of tuberculosis, III, 279.
Kuepferle and v. Szily, A., Radiotherapy in hypophyseal tumors, III, 236, 454.
Ladd, W. E., Fractures of the lower end of the humerus, III, 557.

Abstracts—*Continued*
Lane, John W., Preoperative roentgenological examination in cancer of the breast, III, 556.
Lange, Sidney, *x*-Ray treatment of menorrhagia, menorrhea and uterine myoma, III, 51.
Lasser, K., Induction of roentgen rays with a new gas-free tube and a special apparatus, III, 280.
Leach, A symposium on dental technic, III, 553.
Ledoux–Lebard, Shrapnel ball free in the right auricle, III, 545.
The *x*-ray findings in pulmonary actinomycosis, III, 286.
Lee, John Robert, Removal of intracranial foreign body under *x*-rays, III, 344.
Lenk, Robert, Roentgen findings in fresh abdominal bullet injuries, III, 543.
Lensman, Arthur P., Gastro-intestinal conditions and rheumatism, III, 343.
Levy, I. H., and Kantor, J. L., A clinical study of delayed gastric emptying, III, 382.
The incidence of visceroptosis, III, 381.
Levy, M., Radium therapy in dentistry, III, 111.
Lewin, Carl, Radium treatment of carcinoma of the esophagus and cardia, III, 58.
Lincoln, W. A., A needle lodged in the duodenum, III, 36.
Llewellyn and Jones, Osteoarthritis of the hip, III, 30.
Loeffer, Wilhelm, Alcoholic polyneuritis with unilateral paralysis of the diaphragm and vocal cord, III, 180.
Lotsch, Generalized osteofibrosis with tumors and cysts, III, 44.
Lounsbury, Benjamin F., A fracture of the os calcis, III, 410.
Löwenthal, S., Therapy with heavy filters, III, 33.
Löwenthal, S., and Pagenstecher, Is intensive or long-continued irradiation to be preferred?, III, 119.
Ludewig, P., Problems of instantaneous roentgenography, III, 280.
Luedin, M., Acute atony of the stomach during a fainting fit, III, 454.
Manginelli, L., Diagnostic and pathogenetic significance of the roentgen examination in duodenal ulcers, III, 458.
Mason, Howard H., Lobar pneumonia in childhood, III, 346.
Mayer, August, and Schneider, Erich, Disturbance of ovarian function in myoma of the uterus and some disputed points in regard to myoma, III, 59.
Mayer, Robert, The practical application of selenium cells, III, 501.
McKendrick, Archibald, Radiography of normal parts, III, 381.
Metcalf, James, A prepared barium meal, III, 511.
Meyer, Fritz M., Filtered rays in skin diseases, III, 51.
Filtered roentgen treatment in chronic and subacute eczema, III, 41.
Roentgen epilation in practice, III, 49.
Meyer, Willy, The rôle of the *x*-rays in the diagnosis of ureteral calculus, III, 237.
Moffett, Rudolph Duryea, and Neuhof, Selian, Congenital dextrocardia with patent interventricular septum, III, 284.
Mühlmann, Erich, Contracted stomach due to syphilis, III, 495.

Abstracts—*Continued*
Neve, Major A., A case of leprosy diagnosedby *x*-rays, III, 238.
Nissim, G., The volume of the heart during and after exertions, III, 547.
Nordentoft, S. and J., Roentgen treatment of cancer, III, 54.
Northrup, W. P., Disseminated miliary tuberculosis, III, 289.
Nyary, Ladislaus, A characteristic symptom of subphrenic gas abscesses, III, 457.
O'Brien, Frederick W., The present status of gallstone diagnosis by the roentgen ray, III, 348.
Overend, W., and Riviere, C., On the radiography of the bronchial glands, III, 595.
Packard, Charles, The effect of radium emanations on the rate of cell division, III, 556.
Pagenstecher, Alexander, Permanent therapy, III, 32.
Perussia, F., Phosphorous necrosis of the maxillæ, III, 177.
Technic of roentgenography of the intrauterine fetus, III, 178.
Peteri, Ignaz, Roentgen ray examination of the large intestine in infants and children, III, 340.
Peterkin, G. S., Diagnosis of genito-urinary conditions in women by means of the roentgen ray, III, 237.
X-Ray efficiency in bladder diagnosis, III, 557.
Pfahler, George E., X-Ray diagnosis of surgical complications within the chest, III, 456.
Pfender, Charles A., Indications for surgery or deep roentgen therapy for myomata and metropathies, III, 508.
Roentgen therapy in carcinoma, III, 510.
Ponzio, M., Determination of operability in roentgen examination of gastric carcinoma, III, 178.
Roentgen diagnosis of perforating gastric ulcer, III, 495.
Popper, Hugo, Roentgen diagnosis of intestinal perforation, III, 236.
Protection of the *x*-ray operator, The, III, 285.
Quimby, A. J., and Will, A., Roentgen treatment of unresolved pneumonia, III, 343.
Radium administration, The technic of, III, 185.
Ransohoff, Joseph and J. Louis, Radium treatment of uterine fibroids, III, 278.
Ranzi, Schüller and Sparmann, Experience in radium treatment of malignant tumors, III, 57.
Raper, Howard R., The *x*-rays in oral surgery, III, 384.
Rauch, J., Late periosteal change in dysentery, III, 40.
Reu, Leonard, A case of tubercular kidney complicated with multiple calculi, III, 512.
Rey, J. J., An extreme case of "dropped" transverse colon in a young girl, III, 550.
Reynolds, Russell J., Methods employed in the *x*-ray department in a military hospital, III, 550.
Rieder, H., Roentgen examination of birds' eggs in the state of incubation, III, 283.
Roentgen therapy of malignant new formations, III, 31.
Roentgenological observations in scrotal gastrocele, III, 179.
Shot wounds of the lungs and pulmonary tuberculosis, III, 501.
Rolly and Appelt, Spur formation on the os calcis and olecranon, III, 56.

Abstracts—*Continued*
Rost, Franz, A contribution to the doctrine of surgical obstipation and its surgical treatment, III, 498.
Chronic obstipation and its surgical treatment, III, 241.
Rosti, G., Prostatic hypertrophy, chronic prostatitis and periprostatitis, III, 37.
Royce, C. E., Sarcoma of the scapula, III, 548.
Ruh, H. O., Acrocephalosyndactylism, III, 345.
Salow, W., Concerning roentgenstereoscopy, III, 40.
Salzer, Roentgenological localization of foreign bodies in the eye, III, 500.
Sangiorgi, G., Demonstration of mineral powder in flour or drugs by means of roentgenography, III, 240.
Schoenfeld, A., Pyonephrotic movable kidney, III, 410.
Schoenfeld and Soratin, Total absence of fibula, III, 497.
Schownfeld and Friedl, Two cases of double kidneys, one complicated by hydronephrosis, III, 278.
Schueller, Artur, Peculiar cranial defects in young children, III, 497.
Schuetze, Johannes, New indications for the use of intensifying screens, III, 282.
Schüller, Effect of radium on tumors of the spleen, III, 112.
Schur, H., and Plashkes, S., The significance of the function of the antrum pylori in gastric surgery, III, 182.
Schwartz, Alfred, Roentgenography of ankylosed joints, III, 240.
Schwarz, Erwin, Migration of aspirated foreign bodies in the lung, III, 457.
Schwarz, G., Silver bromide papers as a substitute for roentgen plates, III, 543.
Seelig, A., On hematuria, III, 504.
Selby, J. H., Hairpin free in urethra fifteen years, III, 545.
Shattuck, George C., How can we detect slight enlargement of the heart?, III, 379.
The relation of dullness to cardiac outlines, III, 184.
Shenton, E. W. H., Rapid *x*-ray localization, III, 343.
Sillmann, Richard, One hundred suffering women treated with roentgen rays, III, 32.
Simon, Herman, Histology of the effects of roentgen rays on tumors, III, 181.
Simon, Ludwig, Advantages and disadvantages of pyelography, III, 179.
Skinner, E. H., Deep roentgen therapy in unfavorable surgical situations, III, 545.
The roentgen expert witness, III, 241.
Skinner and Dewey, A comparative study of the attachment of the teeth of lower animals, III, 554.
Smith, Charles Hendee, and Le Wald, L. T., The influence of posture on digestion in infancy, III, 115.
Spencer, William H., Meyer, George P., Rehfuss, Martin E., and Hawk, Philip B., Gastro-intestinal studies, III, 283.
Squires, J. W., The roentgen ray diagnosis of gastric lesions, III, 53.
Staehelin, Injuries in winter sports, III, 497.
Stein, Albert E., Papaverin in the differential diagnosis between spasm and stenosis of the esophagus, III, 502.

Abstracts—*Continued.*
Stein, Albert E., The *x*-ray treatment of uterine myomata, III, 596.
Stewart, William H., Gumma of the ulna, III, 544.
Straussberg, Marcus, Successful treatment of apical abscesses by ionization, III, 384.
Strebel, J., Autotrephining in turricephalus and the nature of this cranial anomaly, III, 456.
Tilton, Benjamin T., Five teaspoons removed from an intra-abdominal abscess after perforating the small intestine, III, 182.
Troell, Free bodies in the knee joint with especial reference to so-called osteochondritis dissecans, III, 55.
Vilvandre, George, Roentgenography in gun-shot wounds of the skull, III, 381.
Velocity of the rifle bullet as the determining factor in the extent of the injury, III, 53.
von Eiselsberg, A., Radium and roentgen treatment of malignant tumors, III, 33.
von Hausemann, Callus formation and bone injuries, III, 56.
Von Herff, Otto, Protection from radium rays, III, 503.
Von Jagic, N., Pathogenesis and symptomatology of chlorosis, III, 504.
Von Seuffert, Ernst, Present status, problems and limitations of radiotherapy of cancer, III, 113.
Wachtel, Heinrich, Instrumental determination of the erythema dose, III, 499.
The finer details of fracture roentgenograms, III, 500.
Wassermann, A. von, Effect of radioactive substances on mouse cancer, III, 112.
Weber, A case of exostosis cartilaginia multiplex, III, 57.
Weil, Alfred, Armored heart and Pick's hepatic cirrhosis, III, 455.
Wertheim–Solomonson, J. K. A., How to measure the thickness of the wall of an *x*-ray tube, III, 380.
Wessler, H., and Bass, Murray B., Recurrent hilus infiltration, III, 347.
Wiesloch, A. Hegar, Sterilization in the interests of race betterment, III, 46.
Wilde, Acute bone atrophy after an accident, III, 54.
Zueblin, Ernest, Radiotherapy in chronic arthritis, III, 552.

Acne, Roentgen rays in the treatment of, Dösseker, Abstract, III, 56.
Acrocephalosyndactylism, H. O. Ruh, Abstract, III, 354.
Acromegaly treated with roentgen rays, A. Gunsett, Abstract, III, 39.
Actinomycosis, pulmonary, The *x*-ray findings in, R. Ledoux-Lebard, Abstract, III, 286.
Adenitis, tuberculous, The treatment of, by roentgen rays, Russell H. Boggs, Abstract, III, 408.
Albee, Fred H., Bone-Graft Surgery, Book review, III, 290.
Alcoholic polyneuritis with unilateral paralysis of the diaphragm and vocal cord, Wilhelm Loeffler, Abstract, III, 180.
Alexander, Prof. Béla, Death of, Editorial, III, 227.
Alimentary Tract, Stereoroentgenology of the, James T. Case, Book review, III, 413.

American Atlas of Stereoroentgenology, Book review, III, 188.
American Medical Association, Announcement of scientific exhibit for Detroit meeting of, in June, 1916, III, 231.
American Radium Society, Editorial, III, 594.
American Roentgen Ray Society, Chicago meeting of, September 27–30, 1916, III, 490.
Announcement of, III, 148.
Scientific exhibit of, Society proceedings, III, 375.
At Detroit, Society proceedings, III, 373.
List of members of, October, 1915, III, 460.
Terminology of, III, 491.
Ankylosed joints, Roentgenography of, Alfred Schwartz, Abstract, III, 240.
Anomalies and variations of the bony skeleton, Congenital, as revealed by the *x*-ray, Adolph Hartung, III, 430.
Antrum, A case of chronic suppuration of, Brown, Abstract, III, 554.
Apical abscesses, Successful treatment of, by ionization, Marcus Straussberg, Abstract, III, 384.
Apical shadow, The, George M. MacKee and John Remer, III, 171.
Appendicitis, Dilatation of the duodenum in chronic, Anthony Bassler, III, 365.
Left-sided, James T. Case, III, 332.
Appendix, Roentgen examination of the, M. J. Hubeny Abstract, III, 285.
The vermiform, W. Frank Fowler, Abstract, III, 549.
Armored heart and Picks' hepatic cirrhosis, Alfred Weil, Abstract, III, 455.
Arthritis, chronic, Radiotherapy in, Ernest Zueblin, Abstract, III, 552.
Atlantic City, Second mid-winter meeting of Roentgenologists at, January 21–22, 1916, III, 104.
Auricle, Shrapnel ball free in the right, Ledoux-Lebard, Abstract, III, 545.
Austin, Dr. Robert Emmet, Biography, III, 102.
Autotrephining in turricephalus and the nature of this cranial anomaly, J. Strebel, Abstract, III, 456.

Baetjer, F. H., Discussion on deep roentgen therapy of the thymus in thyroid disease, III, 90.
On teaching of roentgenology, III, 11.
Barclay, A. E., A new method of extracting bullets, Abstract, III, 286.
Barium, Warning concerning prescriptions for, Editorial, III, 335.
Barium diagnosis, Routine technic of, Llewelyn L. Jones, III, 477.
Meal, A prepared, James Metcalf, III, 511.
Basedow's disease, Treatment of, by means of the roentgen rays, George E. Pfahler and J. D. Zulick, III, 63.
Bassler, Anthony, A motility phenomenon in some cases of gastric ulcer, III, 366.
Dilatation of the duodenum in chronic appendicitis, III, 365.
The phenomenon of the "water street," III, 365.
Beverages, The fate and effect of hot and cold, in the stomach, Ernest Egan, Abstract, III, 339.
Bilocular stomach, Roentgen diagnosis of the, A. Coleschi, Abstract, III, 458.
Bissell, Frank S., Roentgen symptomatology of pulmonary tuberculosis, III, 139.
Bladder, Roentgenographic examination of the urinary. John M. Garratt, III, 399.
Bladder diagnosis, X-Ray efficiency in, G. S. Peterkin, Abstract, III, 557.
Blaine, E., Idiopathic infantile osteopsathyrosis, III, 438.
Blood, biological effect of thorium X on, A. Da Silva, Abstract, III, 235.
Boggs, Russell H., Discussion on metastases in scirrhous carcinoma of the lung, III, 135.
The local application of radium supplemented by roentgen therapy, III, 92.
Bone, stereoscopic radiography of injury to, The uses and limitations of, Francis Hernaman-Johnson, Abstract, III, 380.
Bone and joint conditions, Some causes of error in the roentgen diagnosis of, Roland Hammond, III, 385.
Bone atrophy, Acute, after an accident, Wilde, Abstract, III, 54.
Changes in neuritis, Finkelnburg, Abstract, III, 56.
Cysts, etiology of, Lotsch, Abstract, III, 44.
Graft Surgery, Fred H. Albee, Book review, III, 290.
Injuries, Callus formation and, v. Hausemann, Abstract, III, 56.
Sarcoma treated by radium, J. B. Bissell, Abstract, III, 548.
Technic, Coolidge tube, F. H. Kuegle, III, 275.
Tumor, Mixed, Antonio Marco del Pont, Abstract, III, 40.
Bones of the hand, Some observations on the ossification of the, J. W. Pryor, Book review, III, 416.
Bony skeleton, Congenital anomalies and variations of the, as revealed by the *x*-ray, Adolph Hartung, III, 430.
Book reviews:
Albee, Fred H., Bone-Graft Surgery, III, 290.
American Atlas of Stereoroentgenology, The, III, 188.
Case, James T., Stereoroentgenology of the Alimentary Tract, III, 413.
Cassell's Cyclopedia of Photography, III, 60.
Clinics of John B. Murphy, The, III, 189, 459.
Colwell, Hector A., and Russ, Sidney, Radium, X-Rays and the Living Cell, III, 122.
Cooke, W. E., X-Rays in Pulmonary Tuberculosis, The, III, 459.
Cotton, Frederic J., Dislocations and Joint Fractures, III, 290.
Davidson, Sir James Mackenzie, Localization by *x*-Rays and Stereoscopy, III, 415.
Dessauer, Friedrich, Kompendium der Roentgenaufnahme und Roentgendurchleuchtung, III, 189.
Fraenkel, Manfred, Roentgen Sterilization of the Criminal and Insane, III, 190.
Ford, Clyde S., Gunshot Roentgenograms, III, 292.
Fürstenau, Immelman and Schültze, Leitfaden des Roentgenverfahrens für das Roentgenologische Hilfspersonal, III, 61.
George, Arial W., and Leonard, Ralph D., The Roentgen Diagnosis of Surgical Lesions of the Gastro-Intestinal Tract, III, 121.
Hackenbruch, Prof. Dr., and Berger, Ingenieur W., Vademekum für die Verwendung der Roentgenstrahlen und des Distraktionshammer-Verfahrens in und nach dem Kriege, III, 188.
Jackson, Chevalier, Peroral Endoscopy and Laryngeal Surgery, III, 120.

Book Reviews—*Continued*
Medical Clinics of Chicago, III, 292.
Practical Medicine Series, The, III, 413.
Preston, Miller E., Fractures and Dislocations, Diagnosis and Treatment, III, 290.
Pryor, J. W., Some Observations on the Ossification of the Bones of the Hand, III, 416.
Reinmöller and Burchard, Die zahnärtzliche Roentgenologie, III, 61.
Roberts, John B., Treatise on Fractures, III, 290.
Rutherford, A. H., Ileocæcal Valve, The, III, 459.
Scott, Thomas Bodley, Modern Medicine and Some Modern Remedies, III, 415.
Scudder, Charles L., The Treatment of Fractures, III, 290.
Smithies, Frank, Cancer of the Stomach, III, 349.
Tousey, Sinclair, Medical Electricity, Roentgen Rays and Radium with a Practical Chapter on Phototherapy, III, 349.
Weingaertner, M., Das Roentgenverfahren in der Laryngologie, III, 60.
Borzell, F. F., A simple means of rendering automatic the tube shift in vertical stereoscopy, III, 234.
Bowen, David R., A convenient yard stick, III, 377.
A device for accurately centering an *x*-ray tube in the tube stand, III, 407.
A device for the examination of the distal end of the radius, III, 378.
A handy method for keeping exposure records, III, 377.
A posturing instrument for feet and lower extremities, III, 453.
A statement regarding the metal envelope plate changer, III, 275.
A system for handling dental films, III, 175.
Discussion on metastatic carcinoma of the lung, III, 136.
Immediate stereoscopy, III, 276.
Knee rest to be used in examination of spine, kidneys, etc., III, 378.
Breast, cancer of the, Preoperative roentgenological examination in, John W. Lane, Abstract, III, 556.
Bronchial glands, On the radiography of, W. Overend and C. Riviere, Abstract, III, 595.
Bronchiectasis, Roentgen diagnosis of, Alexander B. Moore, III, 524.
Broncho-esophageal fistula, Russell D. Carman, III, 370.
Bronchoscopy, Fluoroscopic, G. W. Grier, III, 123.
Discussion, by George C. Johnston, III, 125.
Bucky effect, Cylinder with, Caro W. Lippmann, III, 452.
Bullet injuries, abdominal, Roentgen findings in fresh, Abstract, III, 543.
Bullets, extracting of, A new method, A. E. Barclay, Abstract, III, 286.
Technic of searching for, and a roentgenographic measuring method without apparatus, Paul Krause, Abstract, III, 492.
Velocity of rifle, as the determining factor in the extent of an injury, Abstract, III, 53.
Burns, J. Edward, The use of thorium in urology and roentgenology, III, 482.
Burns, *x*-ray, Another warning against, Editorial, III, 372.

Cabinet, Illuminating, for roentgenograms, Henry K. Pancoast, III, 337.
Calcified fibroma of the forearm, L. Jaches, Abstract, III, 511.
Calculi, uric acid, Roentgenography of, C. Thurstan Holland, Abstract, III, 48.
Warts as a source of error in the search for, James T. Case, III, 333.
Renal, Roentgenographic diagnosis of, Joseph Friedmann, III, 443.
Ureteral, Giant, III, 548.
Two cases of, presenting unusual symptoms, George E. Pfahler, III, 330.
The rôle of the *x*-rays in the diagnosis of, Willy Meyer, Abstract, III, 237.
Vesical, The value of the roentgen ray in the diagnosis of, A. Hyman, Abstract, III, 597.
Callus formation and bone injuries, v. Hausemann, Abstract, III, 56.
Cancer. See also Carcinoma.
Deep-seated, The treatment of the, by the roentgen method, George D. Bond, Abstract, III, 546.
Mouse, Effect of radioactive substances on, A. von Wassermann, Abstract, III, 112.
Of the breast, Preoperative roentgenological examination in, John W. Lane, Abstract, III, 556.
Of the Stomach, Frank Smithies, Book review, III, 349.
Roentgen diagnosis of, F. H. Baetjer and J. Friedenwald, Abstract, III, 555.
Radiotherapy of, A. Döderlein, Abstract, III, 31.
Roentgen treatment of, S. and J. Nordentoft, Abstract, III, 54.
Roentgentherapy of, Present status, problems and limitations of, Ernst Von Seuffert, Abstract, III, 113.
Capillary circulation in the roentgenogram of the chest, The, James Garret Van Zwaluwenburg, III, 532.
Carbuncles, Treatment of, by the roentgen ray, Kennon Dunham, III, 259.
Carcinoma, collum, Cystoscopic findings in the roentgen treatment of, Abstract, III, 34.
Duodenal, James T. Case, III, 318.
Gastric, Determination of operability in roentgen examination of, M. Ponzio, Abstract, III, 178.
Inoperable gastric and intestinal, Therapy of, by incision and subsequent roentgen irradiation, Hans Finsterer, Abstract, III, 106.
Mesothorium treatment of, E. Döderlein and Von Seuffert, Abstract, III, 58.
Non-operative treatment of, Abstract, III, 57.
Of the esophagus and cardia, Radium treatment of, Abstract, III, 58.
Roentgen therapy of, C. A. Pfender, Abstract, III, 510.
Uterine, Roentgen and radium therapy of, H. Füth, and F. Ebeler, Abstract, III, 31.
The roentgen treatment of, James T. Case, Abstract, III, 507.
Cardiac anatomy and pathology from a roentgen standpoint, P. M. Hickey, Abstract, III, 30.
Lesions, Summary of the roentgen diagnosis of, I. S. Hirsch, Abstract, III, 510.
Outlines, The relation of dullness to, George C. Shattuck, Abstract, III, 185.

Carman, Russell D., A case of associated gastric and duodenal ulcer, III, 369.
Broncho-esophageal fistula, III, 370.
Spasm of the stomach and duodenum from a roentgenologic viewpoint, Report, III, 228.
The roentgenologic diagnosis of duodenal ulcer, III, 252.
Carman, R. D., and Moore, Alexander B., Radiographic diagnosis of metastatic pulmonary malignancy, III, 126.
Discussion, III, 133.
Case, James T., Discussion on diagnosis of metastatic carcinoma of the lung, III, 136.
Diverticula of the intestinal tract, Proceedings Chicago Roentgen Society, III, 24.
Left-sided appendicitis, III, 332.
Roentgen observations on the duodenum, III, 314.
Some statistics on the negative and positive roentgen diagnosis of gallstones, III, 246.
Stereoroentgenology of the Alimentary Tract, Book review, III, 413.
Warts as a source of error in the search for calculi, III, 333.
Cassell's Cyclopedia of Photography, Book review, III, 60.
Cervical vertebræ, lower, A method of showing the, Austin L. Hobbs, III, 233.
Chest, Radiography of the, in children, W. J. S. Blythell, Abstract, III, 288.
The capillary circulation in the roentgenogram of the, James Garret Van Zwaluwenburg, III, 532.
X-Ray diagnosis of surgical complications within the, George E. Pfahler, Abstract, III, 456.
Chest lesions, diagnosis of, Sidney Lange, Report, III, 230.
Chicago Medical and Chicago Roentgen Societies, Joint meeting of, III, 227.
Chicago meeting of the A rican Roentgen Ray Society, Sept. 27–30, announcement of, III, 148.
Editorial, III, 490.
Chicago Roentgen Society proceedings, November 19, 1915, III, 23.
Childs, Samuel B., A plea for conservatism in the treatment of closed fractures from a roentgenological standpoint, III, 390.
Discussion on diagnosis of tuberculosis, III, 135.
Chloroma, Roentgenologic findings in, E. W. Gould and L. T. Le Wald, Abstract, III, 509.
Chlorosis, Pathogenesis and symptomatology of, K. Von Jagic, Abstract, III, 504.
Circulation, The capillary, in the roentgenogram of the chest, James Garret Van Zwaluwenburg, III, 532.
Cirrhosis, Pick's hepatic, Armored heart and, Alfred Weil, Abstract, III, 455.
Cirsoid neuroma, Thinning of the cranial bones in a case of, James T. Case, III, 544.
Clift, M. William, An illuminating device for dental films, III, 174.
Clinics of John B. Murphy, The, Book review, III, 459.
Cold, The sensitizing effect of, on roentgenized surfaces, C. Augustus Simpson, III, 485.
Cole, Albert M., Device for obtaining better detail in dental films, III, 406.
Discussion on teaching of roentgenology, III, 13.
Cole, Albert M., X-Ray study of a pericolic membrane involving the splenic flexure, III, 362.
Cole, Lewis Gregory, Discussion on article by Kennon Dunham on roentgenographic diagnosis of pulmonary tuberculosis, III, 134.
On teaching of roentgenology, III, 15.
Letter of, III, 154.
Scope and method of teaching roentgenology, III, 6.
Collargol injection of the uterus and tubes, C. Gottlieb, III, 257.
Colon, transverse, An extreme case of "dropped," in a young girl, J. J. Ray, Abstract, III, 550.
Colston, J. A. C., and W. S. Gorton, The radiographic efficiency of the Coolidge *x*-ray tube, III, 388.
Congenital anomalies and variations of the bony skeleton as revealed by the *x*-ray, Adolph Hartung, III, 430.
Cooke, W. E., The X-Rays in Pulmonary Tuberculosis, Book review, III, 459.
Coolidge tube, bone technic, F. H. Kuegle, III, 275.
Experiences, Abstract, III, 344.
Hidden, Telltale for, George C. Johnston, III, 336.
Protection against puncture of the, George E. Pfahler, III, 176.
The radiographic efficiency of the, W. S. Gorton and J. A. C. Colston, III, 388.
Cotton, Frederic J., Dislocations and Joint Fractures, Book review, III, 290.
Crane, Dr. Augustus Warren, Biography, III, 417.
Dinner to, III, 147.
Discussion on diagnosis of pulmonary tuberculosis, III, 136.
Roentgenology of the heart, III, 513.
Skiascopy of the respiratory organs, III, 419.
Cranial bones, Thinning of the, in a case of extensive cirsoid neuroma, James T. Case, III, 544.
Cranial defects in young children, Peculiar, Artur Schueller, Abstract, III, 497.
Cranial, intra-, foreign body, Removal of, under *x*-rays, Abstract, III, 344.
Cross, Charles, Golfer's foot, Abstract, III, 507.
Cylinder with Bucky effect, Caro W. Lippman, III, 452.
Cystography, The use of oxygen in, Amédée Granger III, 351.

Dachtler, H. W., Discussion on diagnosis of tuberculosis, III, 136.
Dangers of radiotherapy, Gaucher, Abstract, III, 550.
Darling, Byron C., Oral sepsis as a focus of infection, III, 158.
Davidson, Sir James Mackenzie, Localization by X-Rays and Stereoscopy, Book review, III, 415.
Deep roentgen therapy for myomata and metropathies, Charles A. Pfender, Abstract, III, 508.
In malignant tumors, Arthur F. Holding, III, 191.
In unfavorable surgical situations, E. H. Skinner, Abstract, III, 545.
Massive doses of, The cause and prevention of the constitutional effects associated with, George E. Pfahler, III, 310.
The cause and prevention of the constitutional symptoms following, Sidney Lange, III, 356.
Deformities of the upper extremity, Aurel A. Babesch and Lucia Scherbanescu, Abstract, III, 181.
Dental aspects of oral sepsis as a focus of infection, Byron C. Darling, III, 158.

Dental films, A convenient method of marking and mounting, Arthur R. Metz, III, 331.
A system for handling, David R. Bowen, III, 175.
An illuminating device for, M. William Clift, III, 174.
Device for obtaining better detail in, Albert M. Cole, III, 406.
Dental pathology, Roentgenography and, Truman W. Brophy, Abstract, III, 506.
Dental practice, The roentgen ray in, Arthur H. Merritt, III, 264.
Dental roentgenograms, Interpretation of, R. Ottolengui, III, 169.
Dental roentgenology, E. J. Eisen, Abstract, III, 287.
Editorial, III, 226.
Dental technic, A symposium on, Leach, Abstract, III, 553.
Dentistry, Radium therapy in, M. Levy, Abstract, III, 111.
Derr, John S., X-Ray localization of foreign bodies in the eye by the Sweet method, III, 393.
Detroit, The Roentgen Ray at, Society proceedings, III, 373.
Detroit meeting of roentgenologists, February 5, 1916, III, 148.
Device, Compression, for stereoscopic exposures of the abdomen, William H. Stewart, III, 336.
For accurately centering an *x*-ray tube in the tube stand, David R. Bowen, III, 407.
For obtaining better detail in dental films, Albert M. Cole, III, 406.
For obtaining lateral roentgenograms of the spine in hyperextension, Roland Hammond, III, 589.
Dextrocardia, Congenital, with patent interventricular septum, Rudolph Duryea Moffett and Selian Neuhof, Abstract, III, 284.
Diagnosis, barium, Routine technic of, Llewelyn L. Jones, III, 477.
Differential, between pneumonia and empyema, William H. Stewart, III, 559.
Gastroduodenal, The use of the "polygram in," Isaac Gerber, III, 220.
Of chest lesions, Sidney Lange, Report, III, 230.
Of chronic ulcer of the pylorus, Faulhaber, Abstract, III, 546.
Of gastric ulcer, The value of roentgen ray examination in the, James T. Case, Abstract, III, 185.
Of genito-urinary conditions in women by means of the roentgen ray, G. S. Peterkin, Abstract, III, 237.
Of injury to bone, The uses and limitations of stereoscopic radiography in the, Francis Hernaman-Johnson, Abstract, III, 380.
Of leprosy case by *x*-rays, Major A. Neve, Abstract, III, 238.
Of pulmonary conditions in children, The roentgen ray in the, W. Morgan Hartshorn, Abstract, III, 379.
Of stomach lesions, Segmentation in the, Paul Eisen, III, 354.
Of ureteral calculus, The rôle of the *x*-rays in the, Willy Meyer, Abstract, III, 237.
Physical signs referable to diaphragm and their importance in, R. Dexter, Abstract, III, 240.
Roentgen, of the bilocular stomach, A. Coleschi, Abstract, III, 458.
Of bladder, G. S. Peterkin, Abstract, III, 557.
Diagnosis, Roentgen, of bone and joint conditions, some causes of error in the, Roland Hammond, III, 385.
Of bronchiectasis, Alexander B. Moore, III, 524.
Of cancer of the stomach, F. H. Baetjer and J. Friedenwald, Abstract, III, 555.
Of cardiac lesions, Summary of, I. S. Hirsch, Abstract, III, 510.
Of duodenal ulcer, The, Russell D. Carman, III, 252.
Of gallstones, Some statistics on the negative and positive, James T. Case, III, 246.
The present status of, Frederick W. O'Brien, Abstract, III, 348.
Of gastric lesions, J. W. Squires, Abstract, III, 53.
Of intestinal perforation, Hugo Popper, Abstract, III, 236.
Of the lungs, Some aspects of special interest bearing on the, Henry Hulst, III, 465.
Of mastoiditis, Emil Amberg, Abstract, III, 341.
Of metastatic pulmonary malignancy, Alexander B. Moore and R. D. Carman, III, 126.
Discussion, III, 133.
Of obscure lesions of the gastro-intestinal tract, William H. Stewart, III, 202.
Of perforating gastric ulcer, M. Ponzio, Abstract, III, 495.
Of periosteal sarcoma, Frederic J. Cotton, Abstract, III, 548.
Of pleural disorders, Percy Brown, Abstract, III, 52.
Of pulmonary tuberculosis, Kennon Dunham, III, 131.
Discussion, III, 133.
Of renal calculus, Joseph Friedmann, III, 443.
Of surgical complications within the chest, George E. Pfahler, Abstract, III, 456.
Of Surgical Lesions of the Gastro-Intestinal Tract, Arial W. George and Ralph D. Leonard, Book review, III, 121.
Of vesical calculus, A. Hyman, Abstract, III, 597.
The value of, in infection by gas bacillus, P. M. Hickey, Abstract, III, 240.
Surgical, An appreciation of the roentgen ray and a warning as to its use in, Charles H. Mayo, III, 474.
Diagnostic and pathogenetic significance of the roentgen examination in duodenal ulcers, L. Manginelli, Abstract, III, 458.
Diagnostic *x*-ray sign in Erb's paralysis, Sidney Lange, Report, III, 230.
Diaphragm, As an index of pathology, Maximilian John Hubeny, III, 364.
Heart and, Some observations upon the respiratory movements of the, George W. Holmes, III, 243.
Physical signs referable to, and their importance in diagnosis, R. Dexter, Abstract, III, 240.
Diaphragming roentgen rays, Hollis E. Potter, III, 142.
Dieffenbach, William H., Discussion on teaching of roentgenology, III, 14.
Digestion in infancy, The influence of posture on, Charles H. Smith and L. T. Le Wald, Abstract, III, 115.
Digestive tract, radiology of, Some remarks on the underlying principles and the clinical value of, Seymour Basch, Abstract, III, 410.

Discussions on articles of:
Boggs, Russell H., The local application of radium supplemented by roentgen therapy, III, 92.
Cole, Lewis Gregory, Scope and method of teaching roentgenology, III, 11.
Dunham, Kennon, Roentgenographic diagnosis of pulmonary tuberculosis, III, 133.
Grier, G. W., Fluoroscopic bronchoscopy, III, 125.
Johnston, George C., Modern roentgentherapy, III, 90.
Lange, Sidney, Recent results in the *x*-ray treatment of menorrhagia, dysmenorrhea and uterine myoma, III, 90.
Moore, Alexander B., and Carman, R. D., Roentgenographic diagnosis of metastatic pulmonary malignancy, III, 133.
Pancoast, Henry K., Experiences in roentgenologic teaching, III, 11.
Pfahler, George E., and Zulick, J. D., The treatment of exophthalmic goiter by means of the roentgen rays, III, 90.
Zapffe, Fred C., Teaching of roentgenology in undergraduate medical schools, III, 11.
Dislocations and Joint Fractures, Frederic J. Cotton, Book review, III, 290.
Distance finder, Automatic, for therapeutic work, George E. Pfahler, III, 176.
Diverticula, duodenal, James T. Case, III, 314.
Gastric, Formation of, F. de Quervain, Abstract, III, 240.
Of the intestinal tract, James T. Case, Proceedings Chicago Roentgen Society, III, 23.
Diverticulum formation in the stomach, F. de Quervain, Abstract, III, 495.
Of the esophagus, A case of, F. Jagueas, Abstract, III, 545.
Dodd, Dr. Walter, dinner to, Society proceedings, III, 262.
Dosage of roentgen rays, R. Kienboeck, Abstract, III, 47.
The physical aspect of roentgen ray measurement and, J. S. Shearer, III, 298.
Doses, massive, of deep roentgentherapy, The cause and prevention of the constitutional effects associated with, George E. Pfahler, III, 310.
Dosimetric comparisons of the German Roentgen Society, Contributions and transactions of the special commission for, Abstract, III, 38.
"Dropped" transverse colon, An extreme case of, in a young girl, J. J. Rey, Abstract, III, 550.
Dullness, The relation of, to cardiac outlines, George C. Shattuck, Abstract, III, 184.
Dunham, Kennon, Discussion on diagnosis of pulmonary tuberculosis, III, 137.
Discussion on teaching of roentgenology, III, 13.
Roentgenographic diagnosis of pulmonary tuberculosis, III, 131.
Discussion, III, 133.
Treatment of carbuncles by the roentgen ray, III, 259.
Duodenal ulcer, Diagnostic and pathogenetic significance of the roentgen examination in, L. Manginelli, Abstract, III, 458.
Gastric and, A case of associated, Russell D. Carman, III, 369.
Roentgenologic diagnosis of, The, Russell D. Carman, III, 252.
Duodenum, A needle lodged in the, W. A. Lincoln, Abstract, III, 36.
Dilatation of the, in chronic appendicitis, Anthony Bassler, III, 365.
Roentgen observations on the, James T. Case, III, 314.
Duodenum and stomach, Spasm of the, from a roentgenologic standpoint, Russell D. Carman, Report, III, 229.
Dysentery, Late periosteal changes in, J. Rauch, Abstract, III, 40.
Dysmenorrhea, X-Ray treatment of, Sidney Lange, III, 72.

Editorials, III, 22, 103, 146, 225, 261, 334, 371, 403, 448, 489, 538, 594.
Edmonson, John H., The roentgen treatment of epithelioma, III, 358.
Eggs, Roentgen examination of birds', in the state of incubation, H. Rieder, Abstract, III, 283.
Eisen, E. J., and Ivy, Robert H., Roentgenologic examination in elimination of the mouth as a source of infection in systemic disease, III, 269.
Eisen, Paul, Obstructions in the stomach as seen roentgenologically, Proceedings Chicago Roentgen Society, III, 24.
Segmentation in the diagnosis of stomach lesions, III, 354.
Electricity, medical, III, 349.
Empyema, Differential diagnosis between pneumonia and, William H. Stewart, III, 559.
Epilation, Roentgen, in practice, Fritz M. Meyer, Abstract, III, 49.
Epithelioma, The roentgen treatment of, John H. Edmonson, III, 358.
Erb's paralysis, A diagnostic *x*-ray sign in, Sidney Lange, Report, III, 230.
Erythema dose, Instrumental determination of the, Heinrich Wachtel, Abstract, III, 499.
Esophagus, dilatation of, III, 279.
Diverticulum of the, A case of, F. Jagueas, Abstract, III, 545.
Spasm and stenosis of the, Papaverin in the differential diagnosis between, Albert E. Stein, III, 502.
Stenosis of the, Roentgen examination of, J. H. Hessel, Abstract, III, 503.
Ethics, medical, for the roentgenologist, Editorial, III, 596.
Etiquette, Visiting, Editorial, III, 403.
Eugenics, Roentgen rays and, Max Hirsch, Abstract, III, 48.
Examination, Roentgen, as an aid in the differential diagnosis between pneumonia and empyema, William H. Stewart, III, 559.
Of the appendix, M. J. Hubeny, Abstract, III, 285.
Of birds' eggs in the state of incubation, H. Rieder, Abstract, III, 283.
Of duodenal ulcers, Diagnostic and pathogenetic significance of the, L. Manginelli, Abstract, III, 458.
Of gastric carcinoma, Determination of operability in, M. Ponzio, Abstract, III, 178.
Of the large intestine in infants and children, Ignaz Peteri, Abstract, III, 340.
Of the shoulder in two directions at right angles, Hans Iselin, Abstract, III, 281.

Examination, Roentgen, of stenosis of the esophagus, J. H. Hessel, Abstract, III, 503.
Of the urinary bladder, John M. Garratt, III, 399.
The value of, in the diagnosis of gastric cancer, James T. Case, Abstract, III, 185.
Roentgenologic, in elimination of the mouth as a source of infection in systemic disease, E. J. Eisen and Robert H. Ivy, III, 269.
Exophthalmic goiter, The treatment of, by means of the roentgen rays, George E. Pfahler and J. D. Zulick, III, 63.
Exostosis cartilaginea multiplex, A case of, Weber, Abstract, III, 57.
Exposure records, A handy method for keeping, David R. Bowen, III, 377.
Extremities, Osteoplastic surgery of the, Otto Jost, Abstract, III, 241.
Eczema, chronic and subacute, Filtered roentgen treatment in, Fritz M. Meyer, Abstract, III, 41.
Eye, foreign bodies in the, Roentgenological localization of, Salzer, Abstract, III, 500.
X-Ray localization of foreign bodies in the, by the Sweet method, John S. Derr, III, 393.

Fallopian tubes and uterus, Collargol injection of the, C. Gottlieb, III, 257.
Feet and lower extremities, A posturing instrument for, David R. Bowen, III, 453.
Femur, Fractures of the head of, Holbeck, Abstract, III, 55.
Osteosarcoma of the head of the, Joshua C. Hubbard, and Arial W. George, III, 327.
Fetus, Technic of roentgenography of the intra-uterine, F. Perussia, Abstract, III, 178.
Fibroma, Calcified, of the forearm, L. Jaches, Abstract, III, 511.
Fibromata, The roentgen treatment of, G. W. Grier, Abstract, III, 512.
Fibula, Total absence of, Schoenfeld and Soratin, Abstract, III, 497.
File, On, Verses, III, 260.
Filtered rays in skin diseases, Fritz M. Meyer, Abstract, III, 51.
Fistula, Broncho-esophageal, Russell D. Carman, III, 370.
Fistulæ, Roentgenological tracing of, G. Holzknecht, L. Lilienfeld, and Fr. Fordes, Abstract, III, 554.
Fixation and compression in roentgenography, A simple and quick method of obtaining, V. J. La Rose, III, 232.
Fluorescent screen localization by the parallax method, Alfred C. Jordan, Abstract, III, 53.
Fluoroscopic bronchoscopy, G. W. Grier, III, 123.
Discussion, by George C. Johnston, III, 125.
Fluoroscopy of the stomach, James T. Case, Abstract, III, 505.
Foreign body pneumonia, A. Caillé, Abstract, III, 340.
Foreign bodies, Extraction of, J. R. Caldwell, Abstract, III, 48, 187.
Dastre, Abstract, III, 383.
In the eye, Roentgenological localization of, Salzer, Abstract, III, 500.
X-Ray localization of, by the Sweet method, J. S. Derr, III, 393.
In the lung, Migration of aspirated, Erwin Schwarz, Abstract, III, 457.
Foreign bodies, intracranial, Removal of, under *x*-rays, John Robert Lee, Abstract, III, 344.
Localization of, by a new therapeutic *x*-ray localizer, Robert Knox and A. St. George Caulfield, Abstract, III, 30.
New methods of, Editorial, III, 594.
Fracture roentgenograms, The finer details of, Heinrich Wachtel, Abstract, III, 500.
Fractures, closed, A plea for conservatism in the treatment of, from a roentgenological standpoint, Samuel B. Childs, III, 390.
Dislocations and, Diagnosis and Treatment, Miller E. Preston, Book review, III, 290.
Healing of serious, by means of irritative roentgen doses, Manfred Fraenkel, Abstract, III, 39.
Of the head of the femur, Holbeck, Abstract, III, 55.
Of the lower end of the humerus, W. E. Ladd, Abstract, III, 557.
Of the os calcis, Benjamin F. Lounsbury, Abstract, III, 310.
Treatise on, John B. Roberts, Book review, III, 290.
Treatment of, Charles L. Scudder, Book review, III, 290.
Friedmann, Joseph, Roentgenographic diagnosis of renal calculus, III, 443.

Gallstone diagnosis by the roentgen ray, The present status of, Frederick W. O'Brien, Abstract, III, 348.
Gallstones, Some statistics on the negative and positive roentgen diagnosis of, James T. Case, III, 246.
Garratt, John M., Roentgenographic examination of the urinary bladder, III, 399.
Gas abscesses, subphrenic, A characteristic symptom of, Ladislaus Nyary, Abstract, III, 457.
Gas and pus infections complicating bullet and shell injuries, Roentgen ray diagnosis of, George G. Davis, Abstract, III, 410.
Gas bacillus, The value of roentgen diagnosis in infections by, P. M. Hickey, Abstract, III, 240.
Gastric carcinoma, Determination of operability in roentgen examination of, M. Ponzio, Abstract, III, 178.
Diagnosis of, The value of roentgen rays in the, James T. Case, Abstract, III, 185.
Inoperable, Treatment of, by incision and subsequent roentgen irradiation, Hans Finsterer, Abstract, III, 106.
Gastric diverticula, Formation of, F. de Quervain, Abstract, III, 240.
Gastric and intestinal operations, Roentgen studies, after, James T. Case, Abstract, III, 37.
Gastric emptying, A clinical study of delayed, I. H. Levy and J. L. Kantor, Abstract, III, 382.
Gastric findings, Roentgenological and clinical, compared, W. Jaworski, Abstract, III, 499.
Gastric lesions, The roentgen ray diagnosis of, J. W. Squires, Abstract, III, 53.
Gastric roentgenoscopy, G. W. Holmes, Abstract, III, 504.
Gastric surgery, The significance of the function of the antrum pylori in, H. Schur and S. Plashkes, Abstract, III, 182.
Gastric ulcer, A motility phenomenon in some cases of, Anthony Bassler, III, 366.

Gastric ulcer, and duodenal, A case of associated, Russell D. Carman, III, 369.
Perforating, Roentgen diagnosis of, M. Ponzio, Abstract, III, 495.
Gastrocele, scrotal, Roentgenological observations of, Rieder, Abstract, III, 179.
Gastroduodenal diagnosis, The use of the "polygram" in, Isaac Gerber, III, 220.
Gastro-intestinal conditions and rheumatism, Arthur P. Lensman, Abstract, III, 343.
Lesions, Observations on, Leon T. LeWald, III, 20.
Motility, Effect of fatigue upon, L. Kast, III, 339.
Studies, William H. Spencer, George P. Meyer, Martin E. Rehfuss, and Philip B. Hawk, Abstract, III, 283.
Tract, Roentgen diagnosis of the, William H. Stewart, III, 202.
The Roentgen Diagnosis of Surgical Lesions of, Arial W. George and Ralph D. Leonard, Book review, III, 121.
Tract of man, Effect of opium derivatives on, Henry K. Pancoast and Arthur H. Hopkins, III, 211.
Genito-urinary conditions in women, Diagnosis of, by means of the roentgen ray, G. S. Peterkin, Abstract, III, 237.
Tract, Anomalous development of, III, 548.
George, Arial W., Report on three interesting head lesions, III, 16.
George, Arial W., and Hubbard, Joshua C., Report of a case of osteosarcoma of the head of the femur, III, 327.
Gerber, Isaac, The use of the "polygram" in gastroduodenal diagnosis, III, 220.
Goiter, exophthalmic, The treatment of, by means of the roentgen rays, George E. Pfahler and J. D. Zulick, III, 63.
Golfer's foot, Charles Cross, Abstract, III, 507.
Gorton, W. S., and J. A. C. Colston, The radiographic efficiency of the Coolidge *x*-ray tube, II, 388.
Gottlieb, C., Collargol injection of the uterus and tubes, III, 257.
Granger, Amédée, The use of oxygen in cystography, with a preliminary report on the use of oxygen in pyelography, III, 351.
Graves' disease, treatment of, by means of the roentgen rays, George E. Pfahler and J. D. Zulick, III, 63.
Grier, G. W., Fluoroscopic bronchoscopy, III, 123.
Discussion, by George C. Johnston, III, 125.
Gross Prize, Announcement, III, 224.
Editorial, III, 226.
Gumma of the ulna, William H. Stewart, Abstract, III, 544.
Gunshot, injuries in roentgenogram, Hagedorn, Abstract, III, 55.
Roentgenograms, Clyde S. Ford, Book review, III, 292.
Wounds, Roentgenograms of, G. Klein, Abstract, III, 55.
Wounds of the skull, Roentgenography in, George Vilvandre, Abstract, III, 381.
Gynecological diseases, X-ray treatment of, Sidney Lange, III, 72.
Abstract, III, 51.
Richard Sielmann, Abstract, III, 32.
Gynecology, Roentgen, radium and mesothorium rays in, H. Kupperberg, Abstract, III, 58.

Hair papillæ, Hypersensitiveness of the, for roentgen rays in psoriasis, Robert Kienboeck, Abstract, III, 32.
Hairpin free in the urethra fifteen years, J. H. Selby, Abstract, III, 545.
Hammond, Roland, A device for obtaining lateral roentgenograms of the spine in hyperextension, III, 589.
Some causes of error in the roentgen diagnosis of bone and joint conditions, III, 385.
Harper Hospital, Plan of roentgen department in, P. M. Hickey, III, 590.
Hartung, Adolph, Congenital anomalies and variations of the bony skeleton as revealed by the *x*-ray, III, 430.
Head lesions, Report on three interesting, Arial W. George, III, 16.
Heart, Armored, and Pick's hepatic cirrhosis, Alfred Weil, Abstract, III, 455.
Diaphragm and, respiratory movements of the, Some observations upon the, George W. Holmes, III, 243.
Enlargement of the, How can we detect slight, George C. Shattuck, Abstract, III, 379.
Roentgenology of the, A. W. Crane, III, 513.
The volume of the, during and after exertions, G. Nissim, Abstract, III, 457.
Hematoma of the mediastinum, Traumatic, O. Koerner, Abstract, III, 495.
Hematuria, A. Seelig, Abstract, III, 504.
Hepatic cirrhosis, Pick's, Armored heart and, Alfred Weil, Abstract, III, 455.
Hepatoptosis, A method of fixation of the liver in, W. Gross, Abstract, III, 178.
Heptadactylism, Bilateral symmetrical, E. Ballowitz, Abstract, III, 497.
Hernia, diaphragmatic dextra, A case of, Joseph Freud, Abstract, III, 342.
Hickey, Preston M., Discussion on diagnosis of carcinoma of the lung, III, 135.
Editorial on, III, 489.
Plan of roentgen department in Harper Hospital, III, 590.
Pulmonary abscess and its roentgen demonstration, Report, III, 227.
Scarf pin in the right lung, III, 536.
The value of the lateral view of the hip, III, 308.
Hilus infiltration, Recurrent, H. Wessler and Murray B. Bass, Abstract, III, 347.
Hip, lateral view of, The value of the, P. M. Hickey, III, 308.
Osteoarthritis of, Llewellyn and Jones, Abstract, III, 30.
Hirsch, I. Seth, Letter of, III, 149.
Hobbs, Austin L., A method of showing the lower cervical vertebræ, III, 233.
Holding, Arthur F., Roentgen deep therapy in malignant tumors, III, 191.
Holmes, George W., Some observations upon the respiratory movements of the heart and diaphragm, III, 243.
Hopkins, Arthur H., and Pancoast, Henry K., Roentgen studies of the effect of moderate doses of some of the opium derivatives upon the gastro-intestinal tract of man, III, 211.
Hospital, War, exhibit, Editorial, III, 595.

Hubbard, Joshua C., and George, Arial W., Report of a case of osteosarcoma of the head of the femur, III, 327.
Hubeny, Maximilian John, The diaphragm as an index of pathology, III, 364.
Hulst, Henry, Some aspects of special interest bearing on the roentgenological diagnosis of lungs, III, 465.
Humerus, Fractures of the lower end of the, W. E. Ladd, Abstract, III, 557.
Hygroma, An intra-osseal, P. Fragenheim, Abstract, III, 55.
Hypo, The elimination of, from negatives, H. A. Stevenson, III, 276.
Hypophyseal tumors, Radiotherapy in, Küpferle and A. v. Szily, Abstract, III, 236, 454.

Idiopathic infantile osteopsathyrosis, E. Blaine, III, 438.
Ileocæcal Valve, The, A. H. Rutherford, Book review, III, 459.
Illuminating cabinet for roentgenograms, Henry K. Pancoast, III, 337.
Device for dental films, M. William Clift, III, 174.
Infancy, The influence of posture on digestion in, Charles H. Smith and L. T. Le Wald, Abstract, III, 115.
Infantile osteopsathyrosis, A. Kienboeck, Abstract, III, 238.
Idiopathic, E. Blaine, III, 438.
Injuries in winter sports, Staehelin, Abstract, III, 497.
Instantaneous roentgenography, Problems of, P. Ludewig, Abstract, III, 280.
Intensifying screens, New indications for the use of, Johannes Schuetze, Abstract, III, 282.
Practical points on the use of, H. Threlkeld-Edwards, III, 584.
Internal organs, The delineation of, by an electrical method, Editorial, III, 541.
Intestine, large, Roentgen ray examination of the, in infants and children, Ignaz Peteri, Abstract, III, 340.
Intestinal carcinoma, inoperable, Treatment of, by incision and subsequent roentgen irradiation, Hans Finsterer, Abstract, III, 106.
Intestinal operations and gastric, Roentgen studies after, James T. Case, Abstract, III, 37.
Intestinal perforation, Roentgen diagnosis of, Hugo Popper, Abstract, III, 236.
Intestinal stasis, The interpretation of certain *x*-ray appearances in, Arthur Keith, Abstract, III, 35.
Intestinal tract, Diverticula of, James T. Case, Proceedings Chicago Roentgen Society, III, 23.
Ionization method of measurement of roentgen rays, Editorial, III, 146.
Ionization, Successful treatment of apical abscesses by, Marcus Straussberg, Abstract, III, 384.
Irradiation, Is intensive or long-continued, to be preferred?, S. Löwenthal and Pagenstecher, Abstract, III, 119.
Ivy, Robert H., and Eisen, E. J., Roentgenologic examination in elimination of the mouth as a source of infection in systemic disease, III, 269.

Jackson, Chevalier, Discussion on local roentgen and radium therapy of malignancy, III, 101.
Johnston, George C., Discussion on article by G. W. Grier on Fluoroscopic bronchoscopy, III, 125.
Johnston, George C., Discussion on interrelation of thyroid and thymus, III, 91.
Discussion on teaching of roentgenology, III, 14.
Modern roentgen therapy, III, 84.
Telltale for hidden Coolidge tubes, III, 336.
Joints, ankylosed, Roentgenography of, Alfred Schwartz, Abstract, III, 240.
Jones, Llewellyn L., Routine technic of barium diagnosis, III, 477.

Kidney, A case of tubercular, complicated with multiple calculi, Leonard Reu, Abstract, III, 512.
Pyonephrotic movable, A. Schoenfeld, Abstract, III, 410.
Sarcoma of, treated by *x*-ray, Alfred Friedlander, Abstract, III, 408.
Kidneys, double, Two cases of, one complicated by hydronephrosis, Schoenfeld and Friedl, Abstract, III, 278.
Knee joint, Free bodies in the, Troell, Abstract, III, 55.
Knee rest to be used in examination of spine, kidneys, etc., David R. Bowen, III, 378.
Kompendium der Roentgenaufnahme und Roentgendurchleuchtung, Friedrich Dessauer, Book review, III, 189.
Kuegle, F. H., Coolidge tube bone technic, III, 275.

Lange, Sidney, Discussion on deep roentgentherapy, III, 91.
Recent results in the *x*-ray treatment of menorrhagia, dysmenorrhea and uterine myoma, III, 72.
(*a*) Some *x*-ray observations in the diagnosis of certain chest lesions; (*b*) A diagnostic *x*-ray sign in Erb's paralysis, Report, III, 230.
The cause and prevention of the constitutional symptoms following deep roentgentherapy, III, 356.
La Rose, V. J., A simple and quick method of obtaining fixation and compression in roentgenography, III, 232.
Laryngeal lesions, Radium in the treatment of, D. Bryson Delavan, Abstract, III, 551.
Laryngologie, Das Roentgenverfahrens in der, M. Weingaertner, Book review, III, 60.
Leprosy diagnosed by the *x*-ray, Major A. Neve, Abstract, III, 238.
Levy, I. H., A simple method for marking *x*-ray plates, III, 5.
Le Wald, Leon T., Observations on gastro-intestinal lesions, III, 20.
Literature, roentgen, Early American, Editorial, III, 593.
Lippman, Caro W., Cylinder with Bucky effect, III, 452.
Liver, A method of fixation of, in hepatoptosis, W. Gross, Abstract, III, 178.
Localization of foreign bodies, New method of, Editorial, III, 591.
By a new therapeutic *x*-ray localizer, Robert Knox and A. St. George Caulfield, Abstract, III, 30.
Of foreign bodies in the eye, Roentgenological, Salzer, Abstract, III, 500.
By the Sweet method, John S. Derr, III, 393.
Rapid *x*-ray, E. W. H. Shenton, Abstract, III, 343.
Localization by X-Rays and Stereoscopy, Sir James Mackenzie Davidson, Book review, III, 415.

Lung, Scarf pin in the right, P. M. Hickey, III, 536.
Aspirated foreign bodies in, Migration of, Erwin Schwarz, Abstract, III, 457.
Shot wounds of the, and pulmonary tuberculosis, H. Reider, Abstract, III, 501.
Syphilis of the, Solomon Bauch, Abstract, III, 508.
Lymphoma of the neck, tubercular, Roentgen therapy of, Fritsch, Abstract, III, 50.

MacKee, George M., X-Ray idiosyncrasy, III, 293.
MacKee, George M., and Remer, John, The apical shadow, III, 171.
Mackenzie Davidson, Sir James, Localization by X-Rays and Stereoscopy, Book review, III, 415.
Mahaney, R. C., An interesting case of arteriosclerosis, III, 537.
Malignancy, metastatic pulmonary, Radiographic diagnosis of, Alexander B. Moore and Russell D. Carman, III, 126.
Discussion, III, 133.
Malignant tumors, Experience in radium treatment of, Ranzi, Schüller and Sparman, Abstract, III, 57.
Radium and roentgen treatment of, A. von Eiselsberg, Abstract, III, 33.
Roentgen deep therapy in, Arthur F. Holding, III, 191.
Roentgen therapy of, H. Rieder, Abstract, III, 30.
Manges, W. F., Discussion on article by Alexander B. Moore and R. D. Carman on Radiographic diagnosis of metastatic pulmonary malignancy, III, 134.
Discussion on article by Kennon Dunham on Roentgenographic diagnosis of pulmonary tuberculosis, III, 133.
Mastoiditis, X-Ray diagnosis of, Emil Amberg, Abstract, III, 341.
Maxillæ, Phosphorus necrosis of the, F. Perussia, Abstract, III, 177.
Mayo, Charles H., An appreciation of the roentgen ray and a warning as to its use in surgical diagnosis, III, 474.
Measurement and dosage, The physical aspect of roentgen ray, J. S. Shearer, III, 298.
Measurement of roentgen rays, by ionization method, Editorial, III, 146.
Contribution to the technical, Holzknecht and Weissenberg, Abstract, III, 500.
Theory and technic of, Th. Christen, translation, III, 25.
Mediastinum, Traumatic hematoma of, O. Koerner, Abstract, III, 495.
Medical clinics of Chicago, Book review, III, 292.
Members of the American Roentgen Ray Society, list of, October, 1915, III, 460.
Menorrhagia, X-Ray treatment of, Sidney Lange, III, 72.
Abstract, III, 51.
Menorrhea, X-Ray treatment of, Sidney Lange, Abstract, III, 51.
Merritt, Arthur H., The roentgen ray in dental practice, III, 264.
Mesothorium in opthalmology, III, 59.
Mesothorium rays in gynecology, H. Kupferberg, Abstract, III, 58.
Mesothorium treatment of carcinoma, E. Döderlein and Von Seuffert, Abstract, III, 58.
Metropathies, Indications for surgery or deep roentgen therapy for myomata and, Charles A. Pfender, Abstract, III, 508.
Metz, Arthur A., A convenient method of marking and mounting dental films, III, 331.
Miliary tuberculosis, Disseminated, W. P. Northrup, Abstract, III, 289.
Military hospital, Methods employed in the *x*-ray department in a, Russell J. Reynolds, Abstract, III, 550.
Minor operation, A, Verse, III, 398.
Modern Medicine and Some Modern Remedies, Thomas Bodley Scott, Book review, III, 415.
Moore, Alexander B., Roentgen diagnosis of bronchiectasis, III, 524.
Moore, Alexander B., and Carman, R. D., Radiographic diagnosis of metastatic pulmonary malignancy, III, 126.
Discussion, III, 133.
Motility of the empty stomach, effect of experimental partial stenosis of the pylorus on the, Oscar Elsésser, Abstract, III, 236.
Mouse cancer, Effect of radioactive substances on, A. von Wassermann, Abstract, III, 112.
Mouth as a source of infection in systemic disease, Roentgenologic examination in elimination of the, E. J. Eisen and Robert H. Ivy, III, 369.
Movable kidney, Pyonephrotic, A. Schoenfeld, Abstract, III, 410.
Mühlmann, Erich, Contracted stomach due to syphilis, Abstract, III, 495.
Murphy, John B., The Clinics of, Book review, III, 189, 459.
Myoma, uterine, Disturbance of ovarian function in, August Mayer and Erich Schneider, Abstract, III, 59.
X-ray treatment of, Sidney Lange, III, 72.
Abstract, III, 51.
A. Stein, Abstract, III, 596.
Editorial, III, 23.
Myomata, The roentgentherapy of, in one séance, W. Friedrich and B. Krönig, Abstract, III, 106.
Myomata and metropathies, Indications for surgery or deep roentgen therapy for, Charles A. Pfender, Abstract, III, 508.

Nausea, during roentgen therapy, relief of, Rollin H. Stevens, III, 91.
Neck, tubercular lymphoma of, Roentgen therapy of, Fritsch, Abstract, III, 50.
Neuritis, Bone changes in, Finkelnburg, Abstract, III, 56.
Neuroma, cirsoid, Thinning of the cranial bones in a case of, James T. Case, III, 544.
Newcomet, W. S., The comparative value of roentgen and radium radiation in therapeutics, III, 208.

Obstipation, Chronic, and its surgical treatment, Franz Rost, Abstract, III, 241.
Surgical, and its surgical treatment, A contribution to the doctrine of, Franz Rost, Abstract, III, 498.
Obvious, Verses, III, 207.
Ophthalmology, Radium and mesothorium in, Flemming, Abstract, III, 59.

Opium derivatives, effect of, on the gastro-intestinal tract of man, Henry K. Pancoast and Arthur H. Hopkins, III, 211.
Oral sepsis as a focus of infection, Byron C. Darling, III, 158.
Oral surgery, the *x*-rays in, Howard R. Raper, Abstract, III, 384.
Os calcis, A fracture of the, Benjamin F. Lounsbury, Abstract, III, 410.
Ossification of the Bones of the Hand, Some Observations on the, J. W. Pryor, Book review, III, 416.
Osteoarthritis of the hip, Llewellyn and Jones, Abstract, III, 30.
Osteochondritis dessicans, Troell, Abstract, III, 55.
Osteofibrosis, generalized, with tumors and cysts, Lotsch, Abstract, III, 44.
Osteomyxoma, III, 40.
Osteopsathyrosis, Idiopathic infantile, E. Blaine, III 438.
Infantile, A. Kienboeck, Abstract, III, 238.
Osteosarcoma of the head of the femur, Report of a case of, Joshua C. Hubbard and Arial W. George, III, 327.
Ottolengui, R., Interpretation of dental roentgenograms, III, 169.
Oxygen, The use of, in cystography and pyelography, Amédée Granger, III, 351.

Pacific Coast Roentgen Society, Society proceedings, III, 376.
Pancoast, Henry K., Discussion on teaching of roentgenology, III, 15.
Experiences in roentgenologic teaching, III, 9.
Illuminating cabinet for roentgenograms, III, 337.
Pancoast, Henry K., and Hopkins, Arthur H., Roentgen studies of the effect of moderate doses of some of the opium derivatives upon the gastro-intestinal tract of man, III, 211.
Papaverin in the differential diagnosis between spasm and stenosis of the esophagus, Albert E. Stein, Abstract, III, 502.
Patella, The structure of the, R. Balli and F. Capponi, Abstract, III, 495.
Pelvimetry by the roentgen ray, Easy and accurate, Harvey Van Allen, III, 367.
Perforation, intestinal, Roentgen diagnosis of, Hugo Popper, Abstract, III, 236.
Pericolic membrane involving the splenic flexure, X-ray study of a, Albert M. Cole, III, 362.
Perinephritic abscesses, Gustav Doberauer, Abstract, III, 457.
Peritonitis, tuberculous, Roentgen therapy of, F. Albertino, Abstract, III, 34.
Permanent therapy, Alexander Pagenstecher, Abstract, III, 32.
Peroral Endoscopy and Laryngeal Surgery, Chevalier Jackson, Book review, III, 120.
Perussia, F., Phosphorus necrosis of the maxillæ, Abstract, III, 177.
Pfahler, George E., Automatic distance finder for therapeutic work, III, 176.
Discussion on article by Alexander B. Moore and R. D. Carman on Roentgenographic diagnosis of metastatic pulmonary malignancy, III, 134.
Discussion on interrelation of thyroid and thymus, III, 91.
Pfahler, George E., Protection against puncture of the Coolidge tube, III, 176.
The cause and prevention of the constitutional effects associated with the massive doses of deep roentgen-therapy, III, 310.
Two cases of ureteral calculus presenting unusual symptoms undiagnosed for a long time, III, 330.
Pfahler, George E., and Zulick, J. D., The treatment of exophthalmic goiter by means of the roentgen rays, III, 63.
Phosphorus necrosis of the maxillæ, F. Perussia, Abstract, III, 177.
Phototherapy, III, 349.
Pick's hepatic cirrhosis, Armored heart and, Abstract, III, 455.
Plate changer, A statement regarding the metal envelope, David R. Bowen, III, 275.
Plates, labeling of, Editorial, III, 225.
X-ray, A method for marking, I. H. Levy, III, 5.
Pleural disorders, The recognition of, by *x*-rays, Percy Brown, Abstract, III, 52.
Pneumonia, Differential diagnosis between empyema and, William H. Stewart, III, 559.
Foreign body, A. Caillé, Abstract, III, 340.
Lobar, in childhood, Howard H. Mason, Abstract, III, 346.
Unresolved, Roentgen treatment of, A. J. Quimby, and A. Will, Abstract, III, 343.
"Polygram," The use of the, in gastroduodenal diagnosis, Isaac Gerber, III, 220.
Polyneuritis, alcoholic, with unilateral paralysis of the diaphragm and vocal cord, Wilhelm Loeffler, Abstract, III, 180.
Posture, The influence of, on digestion in infancy, Charles H. Smith and L. T. Le Wald, Abstract, III, 115.
Posturing instrument for feet and lower extremities, A, David R. Bowen, III, 453.
Potter, Hollis E., Diaphragming roentgen rays, III, 142.
Practical Medicine Series, The, Book review, III, 413.
Pregnancy, Roentgen rays and, H. Edelberg, Abstract, III, 35.
Preparedness, Roentgenological, Editorials, III, 22, 226, 405, 538.
Preston, Miller E., Fractures and Dislocations, Diagnosis and Treatment, Book review, III, 290.
Prostatic hypertrophy, chronic prostatitis and periprostatitis, G. Rosti, Abstract, III, 37.
Protection against puncture of the Coolidge tube, George E. Pfahler, III, 176.
Of the *x*-ray operator, Abstract, III, 285.
Pryor, J. W., Some Observations on the Ossification of the Bones of the Hand, Book review, III, 416.
Pulmonary abscess and its roentgen demonstration, P. M. Hickey, Report, III, 227.
Actinomycosis, The *x*-ray findings in, R. Ledoux-Lebard, Abstract, III, 286.
Conditions in children, The roentgen ray in the diagnosis of, W. Morgan Hartshorn, Abstract, III, 379.
Malignancy, Radiographic diagnosis of metastatic, Alexander B. Moore and R. D. Carman, III, 126. Discussion, III, 133.
Physical signs and roentgen-ray findings in healthy adults, Abstract, III, 114.
Tuberculosis, Roentgen symptomatology of, Frank S. Bissell, III, 139.

Pulmonary tuberculosis, Roentgen therapy in, Wilhelm Berns, Abstract, III, 503.
Roentgenographic control of the pneumothorax treatment of, I. S. Hirsch, Abstract, III, 598.
Roentgenographic diagnosis of, Kennon Dunham, III, 131.
Discussion, III, 133.
Shot wounds of the lungs and, H. Reider, Abstract, III, 501.
The X-Rays in, W. E. Cook, Book review, III, 459.
Pyelography, Advantages and disadvantages of, Ludwig Simm, Abstract, III, 179.
Use of oxygen in, Amédée Granger, III, 351.
Pylori, antrum, The significance of the function of, in gastric surgery, H. Schur and S. Plashkes, Abstract, III, 182.
Pyloric deformities, Tonus and contractions of stomach in infants with congenital, A. J. Carlson and H. Ginsburg, Abstract, III, 237.
Pylorus, chronic ulcer of, Diagnosis and treatment of, Faulhaber, Abstract, III, 546.
Experimental partial stenosis of, The effect of, on the motility of the empty stomach, Oscar Elsésser, Abstract, III, 236.
Pyonephrotic movable kidney, A. Schoenfeld, Abstract, III, 410.

Radioactive substances, Effect of, on mouse cancer, A. von Wassermann, Abstract, III, 112.
Injuries to workers with, F. Gudzent and L. Halberstaedter, Abstract, III, 112.
Radiographic diagnosis of metastatic pulmonary malignancy, Alexander B. Moore and R. D. Carman, III, 126.
Radiographic efficiency of the Coolidge *x*-ray tube, The, W. S. Gorton and J. A. C. Colston, III, 388.
Radiography of the chest in children, W. J. S. Blythell, Abstract, III, 288.
Of normal parts, Archibald McKendrick, Abstract, III, 381.
Radiometry, Theory and technic of, Th. Christen, Translation, III, 25.
Radiotherapy, Dangers of, Gaucher, Abstract, III, 550.
Of benign and malignant tumors, C. J. Gauss, Abstract, III, 33.
Of cancer, A. Döderlein, Abstract, III, 31.
In chronic arthritis, Ernest Zueblin, Abstract, III, 552.
In hypophyseal tumors, Küpferle and A. v. Szily, Abstract, III, 236, 454.
Radius, A device for the examination of the distal end of the, David R. Bowen, III, 378.
Radium, III, 349.
Bone sarcoma treated by, J. B. Bissell, Abstract, III, 548.
Effect of, on tumors of the spleen, H. Schüller, Abstract, III, 112.
The local application of, supplemented by roentgen therapy, Russell H. Boggs, III, 92.
Radium achievements, Some, Howard A. Kelly, Abstract, III, 552.
Radium administration, The technic of, Abstract, III, 185.
Radium and mesothorium in ophthalmology, Flemming, Abstract, III, 59.
Radium and roentgen injuries, The legal aspect of, Kirchberger, Abstract, III, 45.
Radium and roentgen treatment of malignant tumors, A. von Eiselsberg, Abstract, III, 33.
Radium emanations, The effect of, on the rate of cell division, Charles Packard, Abstract, III, 556.
Radium radiation in therapeutics, Comparative value of roentgen and, W. S. Newcomet, III, 208.
Radium rays, Protection from, Otto Von Herff, Abstract, III, 503.
Radium rays in gynecology, H. Kupferberg, Abstract, III, 58.
Radium Society, The American, Editorial, III, 594.
Radium therapy in dentistry, M. Levy, Abstract, III, 111.
Radium treatment of carcinoma of the esophagus and cardia, Carl Lewin, Abstract, III, 58.
Of malignant tumors, Ranzi, Schüller and Sparmann, Abstract, III, 57.
Of uterine fibroids, Joseph and J. Louis Ransohoff, Abstract, III, 278.
Radium in the treatment of laryngeal lesions, D. Bryson Delavan, Abstract, III, 551.
Radium, X-Rays and the Living Cell, Hector A. Colwell and Sidney Russ, Book review, III, 122.
Remer, John, and MacKee, George M., The apical shadow, III, 171.
Renal calculus, Roentgenographic diagnosis of, Joseph Friedmann, III, 443.
Respiratory organs, Skiascopy of, A. W. Crane, III, 419.
Rheumatism, Gastro-intestinal conditions and, Arthur P. Lensman, Abstract, III, 343.
Rickets, The causes of, William Jacobsohn, Abstract, III, 183.
Roberts, John B., Treatise on Fractures, Book Review, III, 290.
Roentgen and radium injuries, The legal aspect of, Kirchberger, Abstract, III, 45.
Radiation in therapeutics, Comparative value of, W. S. Newcomet, III, 208.
Roentgen department in Harper Hospital, plan of, P. M. Hickey, III, 590.
Roentgen diagnosis. See also Diagnosis, roentgen.
Of the bilocular stomach, A. Coleschi, Abstract, III, 458.
Of bone and joint conditions, Some causes of error in the, Roland Hammond, III, 385.
Of gas and pus infections complicating bullet and shell injuries, George G. Davis, Abstract, III, 410.
Of perforating gastric ulcer, M. Ponzio, Abstract, III, 495.
Of pulmonary tuberculosis, Kennon Dunham, III, 131.
Discussion, III, 133.
Of renal calculus, Joseph Friedmann, III, 443.
Of tuberculosis of the lungs, Some aspects of special interest bearing on the, Henry Hulst, III, 465.
Roentgen expert witness, E. H. Skinner, Abstract, III, 241.
Roentgen literature, Early American, Editorial, III, 596.
Roentgen observations on the duodenum, James T. Case, III, 314.
Roentgen ray, An appreciation of the, and a warning as to its use in surgical diagnosis, Charles H. Mayo, III, 474.

Roentgen rays, III, 349.
And eugenics, Max Hirsch, Abstract, III, 48.
And pregnancy, H. Edelberg, Abstract, III, 35.
Diaphragming, Hollis E. Potter, III, 142.
Dosage of, R. Kienboeck, Abstract, III, 47.
In dental practice, The, Arthur H. Merritt, III, 264.
In the diagnosis of pulmonary conditions in children, W. Morgan Hartshorn, Abstract, III, 379.
Induction of, with a new gas-free tube and a special apparatus, K. Lasser, Abstract, III, 280.
Theory of action of, especially with reference to latency, H. Heineke, Abstract, III, 113.
Roentgen societies in America, Editorial, III, 404.
Roentgen sterilization, L. Goerl, Abstract, III, 31, 46.
Roentgen symptomatology of pulmonary tuberculosis, Frank S. Bissell, III, 139.
Roentgenized surfaces, The sensitizing effect of cold on, C. Augustus Simpson, III, 485.
Roentgenograms, Expressing an opinion on single, Editorial, III, 334.
Illuminating cabinet for, Henry K. Pancoast, III, 337.
Roentgenographic examination of the urinary bladder, John M. Garratt, III, 399.
Measuring method without apparatus, Technic of searching for bullets, and a, Paul Krause, Abstract, III, 492.
Roentgenography and dental pathology, Truman W. Brophy, Abstract, III, 506.
Fixation and compression in, A simple and quick method of obtaining, V. L. La Rose, III, 232.
Instantaneous, Problems of, P. Ludewig, Abstract, III, 280.
Preparedness in, Editorial, III, 405.
Roentgenologic teaching, Experiences in, Henry K. Pancoast, III, 9.
Roentgenological and clinical gastric findings compared, W. Jaworski, Abstract, III, 499.
Localization of foreign bodies in the eye, Salzer, Abstract, III, 500.
Roentgenologist, All-round knowledge a valuable asset to, Editorial, III, 334.
Mechanic or consultant? Albert Soiland, III, 448.
Medical ethics for the, Editorial, III, 596.
Remuneration for services of, Editorial, III, 261.
Roentgenologist's dream, A, III, 450.
Roentgenologists, The need for properly trained, Editorial, III, 371.
Roentgenology, Courses in, Editorial, III, 226.
Dental, E. J. Eisen, Abstract, III, 287.
Editorial, III, 226.
Of the heart, A. W. Crane, III, 513.
Teaching of, Discussion, III, 11.
In undergraduate medical schools, Fred C. Zapffe, III, 1.
Scope and method of, Lewis Gregory Cole, III, 6.
Terminology in, III, 490.
The use of thorium in urology and, J. Edward Burns, III, 482.
Roentgenoscopy, Gastric, G. W. Holmes, Abstract, III, 504.
Roentgenotherapy. *See also* Treatment, Roentgen.
A new timer for, Rollin H. Stevens, III, 258.
Criticisms regarding, III, 540.
Deep, in myomata and metropathies, Charles A. Pfender, Abstract, III, 508.
In malignant tumors, Arthur F. Holding, III, 191.
Roentgentherapy, deep, The cause and prevention of the constitutional symptoms following, Sidney Lange, III, 356.
In carcinoma, C. A. Pfender, Abstract, III, 500.
In pulmonary tuberculosis, Wilhelm Berns, Abstract, III, 503.
In tuberculous peritonitis, F. Albertino, Abstract, III, 34.
In uterine carcinoma, James T. Case, Abstract, III, 507.
Modern, George C. Johnston, III, 84.
Roentgenstereoscopy, W. Salno, Abstract, III, 40.
Roentgentherapeutist, The, Editorial, III, 404.
Roentgenverfahrens für das roentgenologische Hilfpersonal, Leitfaden des, Fürstenau, Immelman und Schültze, Book review, III, 61.
In der Laryngologie, Das, M. Weingaertner, Book review, III, 60.
Rutherford, A. H., The Ileocæcal Valve, Book review, III, 459.

Sacrolumbar region, Anomalies of, in the roentgenogram and their clinical sequelæ, Els, Abstract, III, 177.
Sarcoma, Bone, treated by radium, J. B. Bissell, Abstract, III, 548.
Of the kidney treated by *x*-ray, Alfred Friedlander, Abstract, III, 408.
Of the scapula, C. E. Royce, Abstract, III, 548.
Periosteal, Diagnosis of, with the *x*-ray, Frederic J. Cotton, Abstract, III, 548.
Scarf pin in the right lung, P. M. Hickey, III, 536.
Schlatter's disease, Wilhelm Graef, Abstract, III, 242.
Scott, Thomas Bodley, Modern Medicine and Some Modern Remedies, Book review, III, 415.
Screen, Fluorescent, localization by the parallax method, Alfred C. Jordan, Abstract, III, 53.
Intensifying, New indications for the use of, Johannes Schuetze, Abstract, III, 282.
Practical points on the use of, H. Threlkeld-Edwards, III, 584.
Scrotal gastrocele, Roentgenological observations of, Reider, Abstract, III, 179.
Scudder, Charles L., The Treatment of Fractures, Book review, III, 290.
Segmentation in the diagnosis of stomach lesions, Paul Eisen, III, 354.
Selenium cells, The practical application of, Robert Mayer, Abstract, III, 501.
Shearer, J. S., The physical aspect of roentgen ray measurement and dosage, III, 298.
Shot wounds of the lungs and pulmonary tuberculosis, H. Reider, Abstract, III, 501.
Shoulder, Roentgenologic examination of the, at right angles, Hans Iselin, Abstract, III, 281.
Silver bromide papers as a substitute for roentgen plates, G. Schwarz, Abstract, III, 543.
Simpson, C. Augustus, The sensitizing effect of cold on roentgenized surfaces, III, 485.
Skeletal anomaly of atavistic interest, the supra-condylar process, Albers–Schönberg, Abstract, III, 182.
Skeleton, A rare unknown structural anomaly of, Albers–Schönberg, Abstract, III, 183.
Skiascopy of the respiratory organs, A. W. Crane, III, 419.

Skin diseases, Filtered rays in, Fritz M. Meyer, Abstract, III, 51.
Skull, gun-shot wounds of the, Roentgenography in, George Vilvandre, Abstract, III, 381.
Smithies, Frank, Cancer of the Stomach, Book review, III, 349.
Societies in America, Roentgen, Editorial, III, 404.
Society proceedings, III, 23, 104, 148, 227, 262, 373, 448.
Spine, lateral roentgenograms of, in hyperextension, A device for obtaining, Roland Hammond, III, 589.
Spleen, tumors of, Effect of radium on, H. Schüller, Abstract, III, 112.
Splenic flexure, X-Ray study of a pericolic membrane involving the, Albert M. Cole, III, 362.
Spur formation on the os calcis and olecranon, Rolly and Appelt, Abstract, III, 56.
Steeple skull, Autotrephining in, J. Strebel, Abstract, III, 456.
Stereoroentgenology, American Atlas of, Book review, III, 188.
Of the Alimentary Tract, James T. Case, Book review, III, 413.
Stereoscopic radiography in the diagnosis of injury to bone, The uses and limitations of, Francis Hernaman-Johnson, Abstract, III, 380.
Stereoscopy, Immediate, David R. Bowen, III, 276.
Roentgen, W. Salzer, Abstract, III, 40.
Vertical, rendering automatic the tube shift in, F. F. Borzell, III, 234.
Sterilization, in the interests of race betterment, A. Hagar Wiesloch, Abstract, III, 46.
Roentgen, L. Görl, Abstract, III, 31, 46.
Of the Criminal and Insane, Manfred Fraenkel, Book review, III, 190.
Stevens, Rollin H., A new timer for roentgentherapy, III, 258.
On relief of nausea in the course of roentgen therapy, III, 91.
Stevenson, H. A., The elimination of hypo from negatives, III, 276.
Stewart, William H., Compression device for stereoscopic exposures of the abdomen, III, 336.
Roentgen diagnosis of obscure lesions of the gastro-intestinal tract, III, 202.
The roentgen examination as an aid in the differential diagnosis between pneumonia and empyema, III, 559.
Stomach, Acute atony of the, during a fainting fit, M. Luedin, Abstract, III, 454.
Bilocular, Roentgen diagnosis of the, A. Coleschi, Abstract, III, 458.
Cancer of the, Frank Smithies, Book review, III, 349.
Roentgen diagnosis of, F. H. Baetjer and J. Friedenwald, Abstract, III, 555.
Contracted, due to syphilis, Erich Mühlmann, Abstract, III, 495.
Displacement of, III, 279.
Diverticulum formation in the, F. de Quervain, III, 495.
Duodenum and, Spasm of the, from a roentgenologic viewpoint, Russell D. Carman, Report, III, 228.
Fluoroscopy of, James T. Case, Abstract, III, 505.
Lesions, Segmentation in the diagnosis of, Paul Eisen, III, 354.
Motility of empty, The effect of experimental partial stenosis of the pylorus on the, Oscar Elsésser, Abstract, III, 236.
Stomach, Obstructions in the, as seen roentgenologically, Paul Eisen, Proceedings Chicago Roentgen Society, III, 24.
Pathological, Motor processes of, Heinrich Fischer, Abstract, III, 182.
The fate and effect of hot and cold beverages in the, Ernest Egan, Abstract, III, 339.
Tonus and contractions of the empty, in infants with congenital pyloric stenosis, pylorospasm and chronic vomiting, A. J. Carlson and H. Ginsburg, Abstract, III, 237.
Subphrenic gas abscesses, A characteristic symptom of, Ladislaus Nyary, Abstract, III, 457.
Supra-condylar process, A skeletal anomaly of atavistic interest, Albers-Schönberg, Abstract, III, 182.
Surgical obstipation and its surgical treatment, A contribution to the doctrine of, Franz Rost, Abstract, III, 498.
Sweet method, X-Ray localization of foreign bodies in the eye by the, John S. Derr, III, 393.
Symptomatology, Roentgen, of pulmonary tuberculosis, Frank S. Bissell, III, 139.
Syphilis, Contracted stomach due to, Erich Mühlmann, Abstract, III, 495.
Of the lung, Solomon Bauch, Abstract, III, 508.
Systemic disease, mouth as a source of, Roentgenologic examination in elimination of the, E. J. Eisen and Robert H. Ivy, III, 369.

Teaching of roentgenology, Discussion, III, 11.
Experiences in, Henry K. Pancoast, III, 9.
In undergraduate medical schools, Fred C. Zapffe, III, 1.
Scope and method of, Lewis Gregory Cole, III, 6.
Teaspoons, Five, removed from an intra-abdominal abscess after perforating the small intestine, Benjamin T. Tilton, Abstract, III, 182.
Teeth of lower animals, A comparative study of the attachment of, Skinner and Dewey, Abstract, III, 554.
Terminology in roentgenology, Editorial, III, 490.
Therapeutics, Comparative value of roentgen and radium radiation in, W. S. Newcomet, III, 208.
Thoracic, intra-, lesions in children, The value of the *x*-ray in, Rowland G. Freeman, Abstract, III, 341.
Thorium in urology and roentgenology, The use of, J. Edward Burns, III, 482.
Thorium X, Biological effect of, especially on the blood, Experimental investigations of the, A. Da Silva, Abstract, III, 235.
Threlkeld-Edwards, H., Practical points on the use of intensifying screens, III, 584.
Thymic disturbance in adults, George H. Hoxie, Abstract, III, 342.
Thymus, Deep roentgen therapy of, in thyroid disease, F. H. Baetjer, III, 90.
Hyperplasia in childhood, Roentgen treatment of, O. Cozzolina, Abstract, III, 57.
Thyroid, Interrelation of thymus and, III, 90, 91.
Timer for roentgen therapy, A new, Rollin H. Stevens, III, 258.
Tousey, Sinclair, Medical Electricity, Roentgen Rays and Radium with a Practical Chapter on Phototherapy, Book review, III, 349.
Treatment, of carbuncles by the roentgen ray, Kennon, Dunham, III, 259.

Treatment, of closed fractures from a roentgenological standpoint, A plea for conservatism in the, Samuel B. Childs, III, 390.
Of tuberculosis, Roentgenological experiments in, Kuepferle and Bacmeister, Abstract, III, 279.
Treatment, radium, by local application, supplemented by roentgen therapy, Russell H. Boggs, III, 92.
Of bone sarcoma, J. B. Bissell, Abstract, III, 548.
Of laryngeal lesions, D. Bryson Delavan, Abstract, III, 551.
Of malignant tumors, Ranzi, Schüller and Sparmann, Abstract, III, 57.
Treatment, Radium and roentgen, of malignant tumors, A. von Eiselsberg, Abstract, III, 33.
Of uterine carcinoma, H. Füth and F. Ebeler, Abstract, III, 31.
Value of, Comparative, W. S. Newcomet, III, 208.
Treatment, roentgen, Cystoscopic findings in, Abstract, III, 34.
Deep, in unfavorable surgical situations, E. H. Skinner, Abstract, III, 545.
Filtered, in chronic and subacute eczema, Fritz M. Meyer, Abstract, III, 41.
In gynecology, H. Kupferberg, Abstract, III, 58.
Modern, George C. Johnston, III, 84.
Of acne, Dösseker, Abstract, III, 56.
Of acromegaly, A. Gunsett, Abstract, III, 39.
Of cancer, S. and J. Nordentoft, Abstract, III, 54.
Present status, problems and limitations of, Ernest Von Seuffert, Abstract, III, 113.
Of chronic ulcer of the pylorus, Faulhaber, Abstract, III, 546.
Of deep-seated cancer, George D. Bond, Abstract, III, 546.
Of diseases of women by, Richard Sielmann, Abstract, III, 32.
Of epithelioma, John H. Edmonson, III, 358.
Of exophthalmic goiter, George E. Pfahler and J. D. Zulick, III, 63.
Of fractures, Manfred Fraenkel, Abstract, III, 39.
Of inoperable gastric and intestinal carcinomata, following incision, Hans Finsterer, Abstract, III, 106.
Of malignant new formations, H. Rieder, Abstract, III, 30.
Of menorrhagia, dysmenorrhea, and uterine myoma, Sidney Lange, III, 72.
Of menorrhagia, menorrhea and uterine myoma, Sidney Lange, III, 51.
Of myomata in one séance, W. Friedrich and B. Krönig, Abstract, III, 106.
Of sarcoma of the kidney, Alfred Friedlander, Abstract, III, 408.
Of thymus hyperplasia in childhood, O. Cozzolino, Abstract, III, 57.
Of tubercular lymphoma of the neck, Fritsch, Abstract, III, 50.
Of tuberculous adenitis, Russell H. Boggs, Abstract, III, 408.
Of tuberculous peritonitis, F. Albertino, Abstract, III, 34.
Of unresolved pneumonia, A. J. Quimby and A. Will, Abstract, III, 343.
Of uterine carcinoma, James T. Case, Abstract, III, 507.
Of uterine fibromata, G. W. Grier, Abstract, III, 512.
Of uterine myoma, Editorial, III, 23.
Treatment, roentgen, Permanent therapy, Alexander Pagenstecher, Abstract, III, 32.
Sudden death of a child under, P. Cosima Blinda, Abstract, III, 46.
Supplementing local applications of radium, Russell H. Boggs, III, 92.
With heavy filters, S. Löwenthal, Abstract, III, 33.
Truth, Telling the whole, Editorial, III, 541.
Tube. *See also* Coolidge tube.
Gas-free, induction of roentgen rays with, III, 280.
Shift in vertical stereoscopy, A simple means of rendering automatic, F. F. Borzell, III, 234.
Tubercular lymphoma of the neck, Roentgen therapy of, Abstract, III, 50.
Tuberculosis, miliary, Disseminated, W. P. Northrup, Abstract, III, 289.
Pulmonary. *See* Pulmonary tuberculosis.
Roentgenological experiments in the treatment of, Kuepferle and Bacmeister, Abstract, III, 279.
Tuberculous adenitis, The treatment of, by roentgen rays, Russell H. Boggs, Abstract, III, 408.
Peritonitis, Roentgen therapy of, F. Albertino, Abstract, III, 34.
Tumors, benign and malignant, Radiotherapy of, C. J. Gauss, Abstract, III, 33.
Bone, mixed, Antonio Marco del Pont, Abstract, III, 40.
Effects of roentgen rays in, Histology of the, Herman Simon, Abstract, III, 181.
Hypophyseal, Radiotherapy in, Küpferle and v. Szily, III, 236, 454.
Malignant, Radium and roentgen treatment of, A. von Eiselsberg, Abstract, III, 33.
Radium treatment of, Ranzi, Schüller and Sparmann, Abstract, III, 57.
Roentgen therapy of, H. Rieder, Abstract, III, 30.
Deep, Arthur F. Holding, III, 191.
Of the spleen, Effect of radium on, H. Schüller, Abstract, III, 112.

Ulcer, duodenal, Diagnostic and pathogenetic significance of the roentgen examination in, L. Manginelli, Abstract, III, 458.
The roentgenologic diagnosis of, Russell D. Carman, III, 252.
Gastric, A motility phenomenon in some cases of, Anthony Bassler, III, 366.
Perforating, Roentgen diagnosis of, M. Ponzio, Abstract, III, 495.
Gastric and duodenal, A case of associated, Russell D. Carman, III, 369.
Of the pylorus, chronic, Diagnosis and treatment of, Faulhaber, Abstract, III, 546.
Ulna, Gumma of the, William H. Stewart, Abstract, III, 544.
Upper extremity, Deformities of, Aurel A. Babesch and Lucia Scherbanescu, Abstract, III, 181.
Ureteral calculus, Giant, III, 548.
The rôle of the *x*-rays in the diagnosis of, Willy Meyer, Abstract, III, 237.
Two cases of, presenting unusual symptoms, George E. Pfahler, III, 330.
Urethra, Hairpin free in the, fifteen years, Abstract, III, 544.
Uric acid calculi, Roentgenography of, C. Thurstan Holland, III, 48.

Urinary bladder, Roentgenographic examination of the, John M. Garratt, III, 399.
Urology and roentgenology, The use of thorium in, J. Edward Burns, III, 482.
Uterine carcinoma, Roentgen and radium therapy of, H. Füth and F. Ebeler, Abstract, III, 30.
The roentgen treatment of, James T. Case, Abstract, III, 507.
Uterine fibroids, Radium treatment of, Joseph and J. Louis Ransohoff, Abstract, III, 278.
Uterine fibromata, The roentgen treatment of, G. W. Grier, Abstract, III, 512.
Uterine myoma, Disturbance of ovarian function in, August Mayer and Erich Schneider, Abstract, III, 59.
Roentgen treatment of, Editorial, III, 23.
X-Ray treatment of, Sidney Lange, III, 72.
Abstract, III, 51.
A. Stein, Abstract, III, 596.
Uterus and tubes, Collargol injection of the, C. Gottlieb, III, 257.

Vademekum für die Verwendung der Roentgenstrahlen und des Distraktionslammer-Verfahrens in und nach dem Kriege, Prof. Dr. Hackenbruch and Ingenieur W. Berger, Book review, III, 188.
Van Allen, Harvey W., Easy and accurate pelvimetry by the roentgen ray, III, 367.
Van Zwaluwenburg, James Garret, The capillary circulation in the roentgenogram of the chest, III, 532.
Ventricle, Localization of a projectile free and mobile in the right, G. Barret, Abstract, III, 545.
Vermiform appendix, The, W. Frank Fowler, Abstract, III, 549.
Vesical calculus, The value of the roentgen ray in the diagnosis of, A. Hyman, Abstract, III, 597.
Victor Electric Corporation, The, Editorial, III, 372.
Visceroptosis, The incidence of, I. H. Levy and J. L. Kantor, Abstract, III, 381.
Visiting etiquette, Editorial, III, 403.

War hospital exhibit, Editorial, III, 595.
Warts as a source of error in the search for calculi, James T. Case, III, 333.
"Water street," The phenomenon of the, Anthony Bassler, III, 365.

X-Ray burns, Another warning against, Editorial, III, 372.
X-Ray idiosyncrasy, George M. MacKee, III, 293.
X-ray in industry, The, III, 487.
X-Ray localization of foreign bodies in the eye by the Sweet method, John S. Derr, III, 393.
X-ray thoughts of 1915, Some, A. Bassler, Abstract III, 510.
X-ray tube, A device for accurately centering the, in the tube stand, David R. Bowen, III, 407.
Coolidge, The radiographic efficiency of the, W. S. Gorton and J. A. C. Colston, III, 388.
How to measure the thickness of the wall of an, J. K. A. Wertheim-Solomonson, Abstract, III, 380.
X-ray, The value of the, in intrathoracic lesions in children, Rowland G. Freeman, Abstract, III, 341.
X-rays in Pulmonary Tuberculosis, The, W. E. Cooke, Book review, III, 459.

Yard stick, A convenient, David R. Bowen, III, 377.

Zahnartzliche Roentgenologie, Die, Reinmöller and Burchard, Book review, III, 61.
Zapffe, Fred C., Discussion on teaching of roentgenology, III, 14.
Teaching of roentgenology in undergraduate medical schools, III, 1.
Zulick, J. D., and Pfahler, George E., The treatment of exophthalmic goiter by means of the roentgen rays, III, 63.